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UNITED STATES DISTRICT COURT

NORTHERN DISTRICT OF CALIFORNIA

BEFORE THE HONORABLE WILLIAM H. ALSUP, JUDGE

GOOGLE LLC,)	
)	
Plaintiff,)	
)	
VS.)	NO. 20-cv-06754-WHA
)	
SONOS, INC.,)	
Defendant.)	
)	
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SONOS, INC.,)	
)	
Plaintiff,)	
)	
VS.)	NO. 21-cv-07559-WHA
)	
GOOGLE LLC,)	
)	
Defendant.)	
)	

San Francisco, California
Thursday, March 30, 2023

TRANSCRIPT OF PROCEEDINGS

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Reported By: **BELLE BALL, CSR 8785, CRR, RDR**
Official Reporter, U.S. District Court
(Appearances continued, next page)

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Also Present: **PATRICK WESTON, ESQ.**

Thursday, March 30, 2023

8:04 a.m.

P R O C E E D I N G S

THE CLERK: Calling Civil Action 20-6754, Google, LLC versus Sonos, Inc., and all related cases.

Counsel, please approach the podium and state your appearances for the record, beginning with counsel for plaintiffs.

MR. ROBERTS: Good morning, Your Honor. I think we agreed to realign the parties, so that makes me officially the plaintiff now.

THE COURT: Have you all stipulated to that?

MR. PAK: Yes, Your Honor. This is Sean Pak.

THE COURT: All right. Please go ahead.

MR. ROBERTS: Good morning, Your Honor. This is Clem Roberts from the Orrick firm, on behalf of Sonos. And with me, I have a large number of people in the courtroom. My partner Alyssa Caridis, Cole Richter, Libby Moulton, Sean Sullivan, Rory Shea, and Dan Smith.

Thank you so much.

THE COURT: Okay. And?

MR. PAK: Good morning, Your Honor. Sean Pak on behalf of Google, from Quinn Emanuel. And with me today is Melissa Baily, Lana Robins, Jocelyn Ma, Lindsay Cooper. And we have the client, Patrick Weston.

THE COURT: Thank you for being here.

1 Okay, there are quite a number of motions. And what I
2 would like to do is we'll pass for the time being the motions
3 to strike, and go to the motions for summary judgment, without
4 ruling yet on the motions to strike. I want you to assume that
5 they will all be denied, though that's not necessarily true.
6 But for purposes of analyzing the summary judgment, I don't --
7 don't presume you are going to win on your motion to strike.

8 And on the motions for summary judgment, each side will
9 get one point. You get to make one important point. You can't
10 make every point. We would just be here for weeks.

11 And then I'll give the other side a chance to respond to
12 that point, and then you get a rebuttal.

13 And then we'll flip it over, and they get to make a point.
14 And that would take quite a bit of time. But you need to be
15 thinking of: What is my most important point?

16 There's a lot of blather in these briefs where you each
17 say "judicial estoppel" and you -- so much finger-pointing and:
18 Oh, they said this five briefs ago, so they're stuck with it.
19 No. We're not going to -- I want to get to the merits.

20 All right. So we will now go to the '033 patent. And I'm
21 confused now on this. Let's see, wait a minute. I've already
22 ruled that the '033 patent is infringed, haven't I? No? Or is
23 that the '885?

24 **MS. BAILY:** That was --

25 **THE COURT:** What did I do? This doesn't -- doesn't

1 help me much here. Here we go, '885. That's right. All
2 right, '885 is infringed. And, okay. So the '033, I have not
3 yet ruled on anything, correct.

4 So let's start with that one, the '033. And who's the
5 plaintiff here?

6 Who's moving on that? Both of you are moving? Just
7 Google?

8 **MS. BAILY:** Yes, Ms. Baily for Google. Just Google
9 has made a motion --

10 **THE COURT:** Says here that you're -- both sides are
11 moving on summary judgment. All right.

12 **MS. BAILY:** That's incorrect, Your Honor.

13 **THE COURT:** All right. My cheat sheet is goofing me
14 up.

15 Okay. Who's moving on the '033?

16 **MS. BAILY:** Google, Your Honor.

17 **THE COURT:** And you're moving on what ground?
18 Invalidity?

19 **MS. BAILY:** I'm moving on invalidity of the '033
20 patent.

21 **THE COURT:** Is this the one that has "boyg"?

22 **MS. BAILY:** No.

23 **THE COURT:** That's the other one.

24 **MS. BAILY:** That's the other one.

25 **THE COURT:** Okay. You get to go first and make your

1 most important point. And then the other side gets to -- why
2 don't you sit down, though, first.

3 (Request complied with by Mr. Sullivan)

4 **THE COURT:** So, Ms. -- Baily, right?

5 **MS. BAILY:** Yes.

6 **THE COURT:** You can take your mask off too.

7 All right. I know it sounds like -- I've actually spent a
8 lot of time trying to figure this out. So I want you all to
9 take note, I've spent hours on this in the last few, few weeks.
10 And I still am confused. Think about what the poor jury's
11 going to be like.

12 And you're not going to get that much time. You can't.
13 I've got other cases left over from the pandemic. It'll be
14 less than 20 hours, in the range of 14 to 16 hours, is what
15 you're going to get at trial. So think about how you're going
16 to be putting -- you can't make every single possible point.
17 So think about what are your most important points.

18 All right. Ms. Baily, I'll stop preaching, and let you go
19 ahead on the '033.

20 **MS. BAILY:** Yes, Your Honor. And I can pick my most
21 important point, but does Your Honor have a specific point that
22 you would prefer?

23 **THE COURT:** I don't have any -- I don't. I've got a
24 draft order here. One side wins and one side loses on the
25 draft order. I'm not going to tell you who. But, you might

1 convince me one way or the other here. So I want to make sure
2 that we address your most important point.

3 **MS. BAILY:** Okay, Your Honor. Is it all right with
4 Your Honor if I have three sentences of context?

5 **THE COURT:** Sure. That's great. Please.

6 **MS. BAILY:** So we're talking about the '033 patent
7 here. This is the remote playback queue patent. And Google
8 moved for invalidity of that patent in view of YouTube Remote
9 Version 2.

10 **THE COURT:** Uh-huh.

11 **MS. BAILY:** And one of the grounds of invalidity that
12 Google moved on was the party mode of YouTube Remote Version 2.
13 So my most important point relates to the party mode, because
14 -- go ahead.

15 **THE COURT:** Yes, I'm sort of up to speed on that. But
16 I must tell you, even as I get into it and think I understand
17 it, the next day I don't remember it.

18 It's so -- do you have a cartoon or a chart or something?
19 A picture? Cartoons definitely help me. So if you've got one,
20 I --

21 **MS. BAILY:** Sure.

22 **THE COURT:** I would like to start with that so I can
23 keep the -- pictures help me keep it straight.

24 **MS. BAILY:** Sure. If we go could go to the slides,
25 I'll just --

1 **THE COURT:** You got a -- on the screen, okay, great.

2 **MS. BAILY:** I can hand up a copy if that's easier for
3 Your Honor.

4 **THE COURT:** Okay, and my law clerk.

5 (Document tendered to the Court, the law clerk and the
6 court reporter)

7 **MS. BAILY:** So Your Honor, I'll throw up the picture
8 first. If you go to Slide 14.

9 (Document displayed)

10 **THE COURT:** Right there.

11 **MS. BAILY:** Just to orient ourselves in party mode, I
12 think it's -- I guess everything could be disputed, but I think
13 it's fundamentally undisputed that there is a playlist which
14 the Court construed as a list of media items to be played back
15 that is located in the cloud, which, under Sonos's
16 interpretation would be a remote playback queue would be
17 remote, because it's not on either the phone or the playback
18 device. The phone is on the left, the playback device is this
19 screen on the right.

20 **THE COURT:** Wait I followed you up until the last
21 sentence. Say that last sentence again.

22 **MS. BAILY:** So the party queue is in the cloud
23 (Indicating) and it is not on the phone on the left, which is
24 the controller device, or on the playback device pictured on
25 the right, which is the screen.

1 **THE COURT:** Okay.

2 **MS. BAILY:** So I think the parties -- there are
3 statements made going back and forth about whether the party
4 queue and party mode is a remote playback queue, as required by
5 limitations 1.4, and then flowing through the claims and
6 limitations 1.7, going on.

7 And then, if we could just throw up slide 13, I can just
8 orient you to the claim language.

9 (Document displayed)

10 **MS. BAILY:** So limitation 1.4 requires a computing
11 device -- which in the picture is a phone -- that's configured
12 for playback of a remote playback queue provided by a
13 cloud-based computing system.

14 And so the contention is that party mode from YouTube
15 Remote prior art is such a remote playback queue that is
16 provided to the computing device in limitation 1.4. And it is
17 also --

18 **THE COURT:** Wait, okay. So maybe I'm confused,
19 myself. But I thought I read in the materials that even if you
20 turn the -- the cloud off so that the cloud wasn't connected up
21 to the two phones anymore, or the YouTube, it would still play.
22 Therefore, therefore, the queue doesn't necessarily come from
23 the cloud; it can -- it still comes from the telephones.

24 **MS. BAILY:** So I don't believe that that is accurate.
25 But even if it was, the -- I think it's undisputed the queue

1 that runs the show, the source of truth of the queue, of what
2 to play back next, the place where edits to the queue are made
3 and saved is in the cloud. And only once the cloud
4 disseminates that information to the playback device does the
5 playback device know what to play next.

6 And so for example, if a user edits a queue to add a
7 video, it makes that edit, and what has to happen before the
8 playback device understands what to play next with respect to
9 the added video is that the queue in the cloud has to change.
10 That's the source of truth. And it's the information in the
11 queue in the cloud that then gets relayed back to the playback
12 device so that the playback device knows what to play next.

13 **THE COURT:** Tell me -- let's use your Page 14.

14 (Document displayed)

15 **MS. BAILY:** Sure.

16 **THE COURT:** And walk us through step by step, in
17 chronological order, how the party mode worked. And let's take
18 our time, to make sure that I grasp how the party mode worked.
19 I thought I did, but now you're making me think I did not
20 understand it.

21 All right. So what would Step 1 be, Step 2, Step 3 and so
22 forth?

23 **MS. BAILY:** Sure. So a user with a phone can elect to
24 enter party mode on the phone.

25 **THE COURT:** So which is User 1 and User 2? Let's say

1 the one on the left is No. 1. And then you're going to have --
2 I'm on Page 14 -- and then the second phone is -- what would we
3 call that? The guest or --

4 **MS. BAILY:** So Your Honor, if you want to go to
5 slide 17, I have a guest user and a host user. Maybe that will
6 help just distinguish between the two phones.

7 (Document displayed)

8 **THE COURT:** All right, let's go to 17. There we go.
9 Okay, host user -- that's great. All right. So, let's start
10 with the host user. What's Step 1?

11 **MS. BAILY:** So the host user has a playlist that it
12 wants to share in a party. So it goes into -- it selects --

13 **THE COURT:** Give me a real example.

14 **MS. BAILY:** Sure.

15 **THE COURT:** Like, I don't know. Joan Baez. Does that
16 work?

17 **MS. BAILY:** Sure.

18 **THE COURT:** Okay. So, what would that translate to?
19 Would that be her best hits?

20 Would it be -- how -- the host user puts in -- I don't --
21 I want you to know, I don't use YouTube, hardly ever. I can't
22 say never. I am not one of these -- I don't do all these
23 magical things very often. So I am not like you young people
24 who understand this intuitively. I have to learn it fresh. I
25 do have an iPhone. That part I do have.

1 So let's say I'm the host user, and I want to put in a
2 list of Joan Baez songs. Do I put those in? Or does the
3 company give me a prefab list?

4 How does that work?

5 **MS. BAILY:** Either way. So for example --

6 **THE COURT:** Let's do it so that I put in my list of my
7 favorite Joan Baez songs. And there are five I want to just
8 repeat over and over again.

9 **MS. BAILY:** Okay.

10 **THE COURT:** So I put those five, and I don't have a
11 guest user yet. So how do I -- and I'm talking about party
12 mode, what -- already -- the actual prior art. How would I do
13 that?

14 **MS. BAILY:** So you basically opt to go into party mode
15 and then a message gets sent to the queue, to the cloud, and
16 the cloud creates a party queue.

17 **THE COURT:** No, I want to create it. I want to come
18 up with my own list.

19 **MS. BAILY:** It creates a party queue that is populated
20 with your list?

21 **THE COURT:** I see.

22 **MS. BAILY:** So say you're playing your list of five
23 songs.

24 **THE COURT:** So I've got A, B, C, D, and E songs, and I
25 send that up to the cloud and it creates a party queue, and

1 populates it with my five.

2 **MS. BAILY:** Right.

3 **THE COURT:** Then what?

4 **MS. BAILY:** Then the party queue tells the other
5 devices in the party, so if you're having a party with B --

6 **THE COURT:** Just one other person.

7 **MS. BAILY:** Right, so the guest, or it could be me,
8 right?

9 **THE COURT:** Right.

10 **MS. BAILY:** So I'll get the party queue on my phone.

11 **THE COURT:** You could be anywhere in the world? Or do
12 you have to be close by where I am? Where, where --

13 **MS. BAILY:** I hadn't looked into that. I assume I
14 could be anywhere.

15 **THE COURT:** So let's say you're in a different state,
16 altogether. Okay? All right. So I send -- so how do I --
17 really, I don't understand how it works that well.

18 So I'm in California, and I send my five to the queue.
19 And I say I want to share that with a guest, and somehow I name
20 you as my guest?

21 **MS. BAILY:** Yes.

22 **THE COURT:** Where does that message go? Does that
23 message go to the cloud, and then the cloud tells you? Or do I
24 somehow communicate directly to you that I'm -- how does that
25 work?

1 **MS. BAILY:** Well, so -- and I apologize. I'm going to
2 try to answer your question. From my perspective, it wasn't
3 germane to the issue of invalidity that I'm raising here, so
4 I'm going to do my best.

5 **THE COURT:** Do your best.

6 **MS. BAILY:** But I believe that it gets relayed through
7 the cloud.

8 **THE COURT:** To you.

9 **MS. BAILY:** To me.

10 **THE COURT:** And let's say you're in, I don't know,
11 Texas. All right. So you're in Texas. And then, what appears
12 on your phone?

13 **MS. BAILY:** So I will have the party queue that is in
14 the cloud, that was created in the cloud when you opted to go
15 into party mode.

16 **THE COURT:** When you say you will have it, does that
17 mean that the queue is downloaded onto your machine? Or what
18 does it mean that you have it.

19 **MS. BAILY:** Well, it's not downloaded (Indicating
20 quotation marks), because it remains in the cloud. But my
21 phone is sent information about the list of songs or videos
22 that is in the cloud queue that was created when you went into
23 party mode.

24 **THE COURT:** All right, so that's A, B, C, D, and E
25 songs. So you will get that list. Is that right?

1 **MS. BAILY:** So my phone will get information from the
2 party queue about the -- the IDs of the videos that are in that
3 cloud queue. And so then, they could be played back on my
4 phone.

5 **THE COURT:** Well, what if you are busy working on some
6 patent case in Texas, and you don't want to listen to it?
7 Does -- does my inviting -- does it override what you're doing,
8 and force its way into your screen? How does that -- what
9 happens?

10 Or is it just -- there's a little header that says:
11 You're now a guest user for Judge Alsup Joan Baez list? How
12 does it work?

13 In fact, it would be great if you had an animation here.
14 Or you could actually demonstrate it to me right now, would be
15 very useful.

16 **MS. BAILY:** I have a video of the service recommended
17 playlist, but I don't have a mock-up of this party queue. But
18 maybe I can try to narrate it for you, and give you a --

19 **THE COURT:** All right, go ahead. Do your best.

20 **MS. BAILY:** Let me start at the highest level, and
21 then maybe we can take it where you have questions.

22 So the host user has a playlist, like you said, A, B, C,
23 D. And they want to go into party mode. So they're playing
24 the song. They want to go into party mode. They go into party
25 mode, and a queue, a party queue is created in the cloud. And

1 the party queue has the list of videos that was in the queue
2 that you had when you launched party mode. So now there is a
3 queue in the cloud, called "The Party Queue."

4 The party queue provides information about what is in its
5 list to the guest user on their phone, and to any playback
6 devices, like the TV.

7 So, so one example would be you're at home, and, you know,
8 I come over. And so you're the host user. You hit party mode.
9 You create a cloud in the queue. Now I have access to that
10 cloud in the queue. And the cloud -- sorry, to the queue in
11 the cloud. And the queue in the cloud also provides
12 information related to what's in the queue to the TV that we're
13 all watching.

14 Now, then --

15 **THE COURT:** So on your chart it says "Guest User," and
16 it doesn't look like a TV. It looks like a phone.

17 **MS. BAILY:** Right. The TV's on the right.

18 **THE COURT:** I see.

19 **MS. BAILY:** So it goes to both. It goes to both. It
20 goes to the users that you invite to the party, but also to the
21 playback device that you are watching. And maybe it's multiple
22 playback devices. Maybe you have a playback device in the
23 kitchen and a playback device in the living room, so you have
24 two TVs, and you want to play the videos on both TVs. So any
25 playback devices will get information from the cloud queue

1 regarding the list of videos in that queue, and any other users
2 that you have invited to party mode.

3 And the reason why it works this way is because then both
4 you and I could edit the party queue. Because now, the party
5 queue isn't on your phone. The party queue is in the cloud.
6 And so now I have equal access to the party queue.

7 **THE COURT:** So you could delete the A, B, C, D, and E.

8 **MS. BAILY:** I could.

9 **THE COURT:** Why would you want to -- that would
10 sabotage my plan.

11 **MS. BAILY:** And maybe that would be the intent. I
12 don't know.

13 **THE COURT:** I don't know. What -- okay. But maybe
14 you could just add one that maybe I forgot.

15 **MS. BAILY:** Exactly.

16 **THE COURT:** All right.

17 **MS. BAILY:** And so if you take the example, you know,
18 you started with a list of five. Now it's in the queue because
19 we're in party mode. And the whole point is that now I can
20 edit the queue in the cloud, and I can say: Add Video E. A
21 sixth one.

22 Now, the cloud has been told to add Video E, the sixth
23 video. The cloud makes the change in the queue, in the cloud.
24 And it is only once it does that that it tells your phone that
25 I made the change. Not that I made the change; that's

1 imprecise.

2 It tells your phone that the sixth video has been added.

3 And it tells the TVs in the living room and the kitchen --

4 **THE COURT:** This one over here (Indicating).

5 **MS. BAILY:** There's only one there. But to
6 demonstrate, I -- it can be multiple TVs.

7 **THE COURT:** All right. It tells it what?

8 **MS. BAILY:** It tells it that the sixth video has been
9 added. And so I edit the queue in the cloud, and now the queue
10 in the cloud has the definitive version of the playlist.

11 And now it's going to tell all the devices in the party
12 that: The list has been changed, and here's the information so
13 that you know what to play next.

14 **THE COURT:** Okay. Now, do you think both sides agree
15 that that's the way party mode worked?

16 **MS. BAILY:** I do believe that both sides agree that's
17 the operation of the technology. Yes.

18 **THE COURT:** So how does that read on our 1.4 and 1.7?
19 Explain why this renders Claim 1 invalid.

20 **MS. BAILY:** Sure. So the limitations in dispute, like
21 you said, are 1.4 and 1.7. 1.4 requires: Operating in a first
22 mode in which the computing device -- which is the phone, your
23 phone -- is configured for playback of a remote playback queue
24 provided by a cloud-based computing system associated with a
25 cloud-based media service.

1 And the only dispute that there is is whether the playback
2 -- whether -- I apologize -- the party queue in the cloud is a
3 remote playback queue. So the dispute is whether in the
4 picture on Slide 14 -- or, I guess we were on 17 -- whether the
5 party queue depicted in the cloud is a remote playback queue.
6 So that's one of the points of dispute.

7 Now, a playback queue has been construed to mean: A list
8 of videos selected for playback. And that is clearly what the
9 party queue in the cloud is.

10 And Sonos has interpreted "remote" to be something that is
11 not local, meaning not on the phones, and not on the TVs, which
12 would be the playback devices. And because the queue is in the
13 cloud, it is remote.

14 And I would direct your attention, Your Honor, to Slide 17
15 -- or to Slide 18.

16 (Document displayed)

17 **MS. BAILY:** Now, in Slide 18, we have excerpts from
18 the source code.

19 And actually, we can take it down from the monitor.

20 (Document taken off display)

21 **MS. BAILY:** The excerpt from the source code makes
22 clear that the party queue is a playlist that lives on the
23 server. So you see on the top box, it says "party mode." And
24 then it says: The definitive version of the playlist -- so
25 that's a playback queue, a list of videos for playback -- lives

1 on the server. So it is remote from the phones and the
2 playback devices.

3 And in the second box, you see where the source code
4 actually says it is a remote queue. The party queue, which is
5 in the cloud.

6 **THE COURT:** These are comments in the source code?

7 **MS. BAILY:** These are the comments in the source code.

8 **THE COURT:** And were these fixed up recently? Or back
9 in 2010 or whenever?

10 **MS. BAILY:** No. These are from the source code that
11 is the prior art.

12 (Reporter clarification)

13 **MS. BAILY:** These comments are in the source code that
14 is and constitutes the prior art.

15 The other thing that's important --

16 **THE COURT:** What does the other side -- I'm going to
17 hear what they say in a minute. But what is their answer to
18 you, and then what's your answer to that?

19 **MS. BAILY:** Sure. So I think -- let's see. I think,
20 for the most part, actually, there is some agreement here, at
21 least with respect to Sonos's expert.

22 If we could look just for a minute at Slide 22, Slide 22
23 shows Your Honor's order from the showdown.

24 (Document displayed)

25 **MS. BAILY:** And it talks about what you were thinking

1 about when you were identifying whether there was a cloud
2 queue. And the things you identified are, you know: Where is
3 the queue that's running the show? Where are the changes to
4 the queue made that dictate what all the devices play back?

5 And so those were some of the considerations that you were
6 taking into account, in determining: Well, where can I find
7 the queue?

8 And as I explained before, and I think as the parties
9 agree, and if you look at Slide 23, this is this example where
10 you're adding a video.

11 (Document displayed)

12 **MS. BAILY:** So one user adds a video. The change has
13 to get made in the cloud. You're changing the queue in the
14 cloud. And then it's the queue in the cloud that dictates what
15 the devices will play.

16 So the queue in the cloud gets changed, and then the cloud
17 queue tells the playback device, like the TV on the right in
18 Slide 23, that it needs to change what it's playing from Video
19 1, 2 and 3 to Video 1, 2, 3 and 4.

20 And if you look at Slide 24, --

21 (Document displayed)

22 **MS. BAILY:** -- that's Google's expert's analysis
23 supporting that. And then on Slide 25, Sonos's expert agrees
24 that that's how it works.

25 (Document displayed)

1 **THE COURT:** Go back to -- or to -- we were looking at.

2 (Document displayed)

3 **THE COURT:** No, I think it was -- was it 17? Yeah.

4 17.

5 I'm trying to figure out why your argument requires there
6 be a guest user.

7 (Document displayed)

8 **MS. BAILY:** It doesn't require it. It is how party
9 mode works, because it's for a, quote-unquote, party. Right?
10 So the whole point of -- instead of you just having your own
11 queue and playing it back on a screen where you could maybe do
12 that directly without having a queue in the cloud, here,
13 because the whole point of party mode is to allow various users
14 to edit the same queue, the queue has to be remote from all the
15 devices. And for that reason, in party mode, it is in the
16 cloud.

17 **THE COURT:** Well, could the host user -- under party
18 mode, could the host user set up a party queue, but not invite
19 anybody else? Just, just use the party queue, and then play it
20 on YouTube? Or does it -- does it require the guest user to be
21 involved?

22 **MS. BAILY:** I'm not sure I know the answer to that,
23 because a host user who doesn't want others involved would
24 typically not use party mode, because you could just cast the
25 playlist directly to your device.

1 But in party mode, the point is that the cloud is in the
2 queue. And because it's in the queue, multiple people have
3 access to it. It is not local to the devices. The queue
4 that's running the show is in the cloud. You can edit it; I
5 can edit it.

6 And then once the cloud, the master version, the cloud
7 queue has the information, it can relay that information to the
8 devices that are doing the playback.

9 **THE COURT:** All right. Let me -- I'm going to let you
10 come back and say more. But let me hear from the other side on
11 why this doesn't invalidate Claim 1 of the '033.

12 **MR. SULLIVAN:** Sean Sullivan, on behalf of Sonos,
13 Your Honor. And let me just say thank you for taking the time
14 to try to get through this. I do understand it's complicated.

15 Let me try to explain as best I can for you. If you have
16 any questions, let me know.

17 **THE COURT:** My question is party mode. Why doesn't
18 party mode invalidate Claim 1?

19 **MR. SULLIVAN:** Yeah.

20 **THE COURT:** All right.

21 **MR. SULLIVAN:** Can I hand you up some slides,
22 Your Honor?

23 **THE COURT:** Yes, of course. If you've got an extra
24 set for my law clerk, that would be useful.

25 **MR. SULLIVAN:** I do. I do. Thank you so much.

1 **THE COURTROOM DEPUTY:** Thank you.

2 (Binders tendered to the Court and to the law clerk and
3 the court reporter)

4 **THE COURT:** What shall I look at?

5 **MR. SULLIVAN:** Would you mind switching the screen for
6 us, too, just in case?

7 Let's take a look at Slide 22. It's the first tab -- it's
8 the '033 invalidity tab, Your Honor. We've kind of put all the
9 motions together today in the same binder.

10 **THE COURT:** Yeah, okay. 22?

11 **MR. SULLIVAN:** 22.

12 **THE COURT:** All right, I'm there.

13 **MR. SULLIVAN:** Okay. So this is party mode. And what
14 you have is you have a phone.

15 And what I'm going to try to do here, Your Honor, just to
16 simplify things a little bit for you, you know, there's these
17 two limitations. There's 1.4; there's 1.7. 1.4 talks about a
18 remote playback queue on the phones. 1.7 talks about a remote
19 playback queue on the screens. I'm going to try to look at
20 this and help focus more on the screens in limitation 1.7, just
21 so that we're not talking about multiple phones and multiple
22 screens and it's getting too confusing.

23 So what you have here in party mode is you have your
24 phone, your five Joan Baez songs. Right, that's in a local
25 playback queue. You created that on your phone. You put those

1 five songs in there. You can play those songs back on your
2 phone.

3 You go into party mode, right, it sends your queue, a copy
4 of that queue, over to the Lounge MDx server, right? The
5 Lounge MDx server keeps a copy of that playlist. I'll show you
6 the messages in a second. And then it sends it on to the
7 different screens. So it transfers responsibility for playback
8 from the phone to now you're playing back those -- those same
9 five videos on your TVs or on your screens.

10 Those screens get a full copy, an entire copy, of what was
11 on your phone. Same five Joan Baez songs. They put it in
12 their local playback queue. Okay, it's a local playback queue
13 on your phone. It goes over and it's a local playback queue on
14 these screens.

15 Yes, a copy of the playlist is kept in the MDx server.
16 The reason being when you're in party mode, you have to go
17 across different YouTube accounts. The host account, and the
18 guest account. You need some way to synchronize across those
19 different accounts.

20 So that party playlist, the copy that's kept in the cloud,
21 it's just there to make sure to coordinate that everyone's
22 local playback queues are up to date.

23 So if we flip to slide -- I'm going to use the same
24 graphics here, Your Honor. If you flip to Slide 14, you will
25 see what the messages look like.

1 (Document displayed)

2 **MR. SULLIVAN:** By the way, these are the same messages
3 that are in non-party mode, which we all know is a local
4 playback queue system.

5 Okay. So in party mode, the remote control will set the
6 set party playlist. Again, that message is copied or sent to
7 the cloud. All communication has to go through the cloud. In
8 party mode or not in party mode, that's just how it works. The
9 phones and TVs don't talk directly to each other.

10 So it goes to the cloud. The cloud will then send a set
11 playlist message -- again, the five Joan Baez songs -- to each
12 of the TV screens.

13 Now, if we flip to Slide 17, you'll see what happens when
14 there's an update.

15 (Document displayed)

16 **MR. SULLIVAN:** So on Slide 17, there's an update on
17 the phone. Let's say you add a sixth Joan Baez song, or maybe
18 a Linda Ronstadt song. You add an additional song to your
19 queue. That is communicated to the lounge server.

20 The lounge server will then pass that along in an update
21 playlist message to both of the screens so that they can update
22 their local playback queues on those two different screens.
23 Everybody uses the local playback queue on their devices to
24 play back the media.

25 All right. So if we turn to the next, slide 18, this is a

1 point you raised, Your Honor.

2 (Document displayed)

3 **MR. SULLIVAN:** What happens if the server goes down?

4 Right? Or the server's offline? Here's what their expert
5 said. And in the next slide, I'll show what you the YouTube
6 Remote engineer said.

7 It says, bolded there: The playback queue locally on the
8 device, the playback queue could continue to play the queue.

9 So when you have a local playback queue, you could continue to
10 play the queue even if there's a copy, right, whether a remote
11 copy was available or not. So even if there's a copy on the
12 MDx server, that local playback queue can continue to keep
13 playing back. And that's what it says at the end there.

14 Capable of playing back the playlist, even if the MDx server
15 were not available. That's the exact same thing that happens
16 in party mode. The screens maintain a copy of the local
17 playback queue, regardless of whether there's a remote copy on
18 the MDx server, right, and they can continue playing that local
19 playback queue which, again, contains all of the entire
20 playlist, right, even if that MDx server goes offline.

21 Their YouTube Remote engineer on Slide 19 says the exact
22 same thing.

23 (Document displayed)

24 **MR. SULLIVAN:** This is a conversation I had with him.

25 **THE COURT:** Wait, wait, just a minute.

1 **MR. SULLIVAN:** Yeah, go ahead.

2 (Document displayed)

3 **THE COURT:** You took the deposition of this guy whose
4 picture is there? Who is he?

5 (Document displayed)

6 **MR. SULLIVAN:** He's Janos Levia (Phonetic). He's in
7 Switzerland. He's their software engineer; he's one of two
8 people that they used to help explain how YouTube Remote
9 worked. He worked on the YouTube Remote project.

10 **THE COURT:** What did he say that's important?

11 **MR. SULLIVAN:** So we are having a conversation here
12 about how party mode worked in YouTube Remote, okay? We're
13 talking about what's happening on the leanback screens, so when
14 you're transferring playback.

15 **THE COURT:** What does "leanback" mean?

16 **MR. SULLIVAN:** The leanback, if you refer back to
17 slide 17, that's the TVs, Your Honor, that's what he called
18 calls them.

19 **THE COURT:** What does the word "leanback" indicate?

20 **MR. SULLIVAN:** That is a good question. I don't know.
21 That's just how they refer to in the code and in their prior
22 art, that's how they refer to the TVs that you transfer
23 playback to, that's the leanback screen.

24 **THE COURT:** Okay, so the guy in Switzerland, what does
25 he say?

1 **MR. SULLIVAN:** So I asked him (As read) :

2 "Well, now, when you're in party mode, okay,
3 and you're now playing back on your screens,
4 what queue are those screens using? They're
5 using the..."

6 And I say here:

7 "Plays back those videos stored locally on
8 those screens, right?

9 He says:

10 "Well, it -- the screens -- gets a list of
11 videos, and which one to play, and starts
12 playing that video. And then in order to
13 know which video to play next when the
14 current one ends, it refers to that list.

15 And I says:

16 "Oh, the locally stored list on the leanback
17 screens, correct?"

18 And he says:

19 "Yes. I do not believe that the screens are
20 asking the MDx server for which video to play
21 next when the current ended. I believe it
22 referred to that list that it caught before."

23 So there is, on all these devices, a current up-to-date
24 entire local playback queue. There's no dependency --

25 **THE COURT:** It's not just the last one and the next

1 one; it's the entire list.

2 **MR. SULLIVAN:** The entire list. Not just a subset,
3 like we dealt with in the '615 patent, right? We got into
4 whether there was a full copy in the cloud and a subset
5 locally. You remember, the first, second, and -- or the
6 previous, the current and the next? We're not dealing with
7 that here.

8 And YouTube Remote, it's very key, they had an entire
9 playlist and we --

10 **THE COURT:** While I have it in mind what -- I want you
11 to jump to the -- how does that read on or not read on the
12 claim language?

13 **MR. SULLIVAN:** Yeah. So, again, focusing on
14 limitation 1.7, 1.7 says that you -- here, let me, let's go --

15 **THE COURT:** I got it right here.

16 **MR. SULLIVAN:** Okay, good.

17 **THE COURT:** I got it.

18 **MR. SULLIVAN:** Quicker than I am, Your Honor. Let me
19 just flip to my copy of the claim there.

20 So 1.7 says that the playback device has to take over
21 responsibility for playback of the remote playback queue.

22 (Document displayed)

23 **THE COURT:** I've got to find that language.

24 **MR. SULLIVAN:** No problem.

25 **THE COURT:** I'm sorry...

1 **MR. SULLIVAN:** Right. At the beginning it says:

2 "Based on receiving the user input..."

3 **THE COURT:** I see.

4 "Transmitting an instruction for at least one
5 given playback device to take over
6 responsibility..."

7 Is that what you're talking about?

8 **MR. SULLIVAN:** Exactly, Your Honor.

9 **THE COURT:** "...for playback of the remote playback.
10 queue from the computing device..."

11 **MR. SULLIVAN:** Right. So in 1.4, the computing device
12 was used in a remote playback queue, for playback. We know
13 that doesn't happen in YouTube Remote; it uses local.

14 **THE COURT:** No, I want to focus on 1.7?

15 **MR. SULLIVAN:** Yeah. And then 1.7 takes over
16 responsibility for playback of the remote playback queue.

17 **THE COURT:** Okay, just a second. Wait, don't say
18 anything more. I want to read it again to myself.

19 (The Court examines document)

20 **THE COURT:** But -- all right. Let me argue with you a
21 bit.

22 Why isn't the way you -- even you describe how the party
23 mode worked, even you were saying that the -- the local TV
24 takes over responsibility for the playback of the remote
25 playback queue from the computing device.

1 **MR. SULLIVAN:** No, it -- well, it does not take over
2 responsibility from a remote playback queue. The leanback
3 screens in party mode, just like they do in non-party mode,
4 they use a local playback queue. They get the entire list
5 locally on the screens. They're not dependent on anything in
6 the cloud, at all.

7 **THE COURT:** Just a minute. Well, does 1.4 somehow
8 modify and describe 1.7? Maybe we should start with 1.4.

9 **MR. SULLIVAN:** Yeah.

10 **THE COURT:** All right. Start with 1.4, and tell me
11 what your argument is there.

12 **MR. SULLIVAN:** Yeah. So in 1.4, what happens is again
13 you're on your phone. You create your five Joan Baez songs in
14 a queue that's stored locally on your phone.

15 Even when you switch it to party mode, right, and that was
16 this -- let me just go back to this slide so you can see it,
17 Slide 22.

18 (Document displayed)

19 **MR. SULLIVAN:** Even when you switch to party mode,
20 that queue, a copy of it, yes, gets sent over to the screens so
21 that the screens can play it. Right? But you're going to keep
22 a copy of that queue. You're always using a copy of that
23 queue, locally. Even when it's a party queue. Even when you
24 have -- if you're going to play back on your phone you're using
25 a local playback queue.

1 1.4 requires you to use a remote playback queue, not a
2 local.

3 **THE COURT:** Wait. Just a minute. 1.4 -- say it
4 slowly.

5 **MR. SULLIVAN:** Right.

6 **THE COURT:** 1.4 requires what?

7 **MR. SULLIVAN:** Yeah. Let's just read the claim first.
8 I agree with you, Your Honor. That's a good idea.

9 **THE COURT:** "...is configured for the playback of a.
10 remote playback queue..."

11 **MR. SULLIVAN:** Right.

12 **THE COURT:** "...provided by a cloud-based computing.
13 System..."

14 (Document displayed)

15 **THE COURT:** "...associated with a cloud-based media.
16 service."

17 To me, that's saying that the remote playback queue is
18 provided by the cloud.

19 **MR. SULLIVAN:** Yes, Your Honor. It is. And what
20 we're saying is the claim requires the computing device --
21 which is the phone, right -- to be configured to play back the
22 queue in the cloud. Or the remote playback queue. But that's
23 not what happens in YouTube Remote.

24 **THE COURT:** Well, no, no. We're talking about party
25 mode.

1 **MR. SULLIVAN:** Yeah, that's in party mode. Either
2 party mode or not party mode.

3 **THE COURT:** But it does seem like that's what's
4 happening because you've got a cloud -- even your own picture
5 has a cloud. A party playlist.

6 **MR. SULLIVAN:** Yeah.

7 **THE COURT:** And, and so it's configured for playback
8 of a remote playback queue provided. So, all right. I'm
9 confused on why 1.4 isn't met by your own diagrams. So go
10 ahead and explain it again.

11 **MR. SULLIVAN:** Yeah.

12 **THE COURT:** This is very important. I want to get it.
13 Please.

14 **MR. SULLIVAN:** I think I understand your confusion,
15 Your Honor, and I apologize for that. Okay. Slide 22, right?

16 (Document displayed)

17 **MR. SULLIVAN:** If you're playing back --

18 **THE COURT:** Yeah, I'm on 22.

19 **MR. SULLIVAN:** Okay. If you're playing back on just
20 the phone, you can ignore the cloud and the leanback screens.
21 22 is showing you how the transfer of playback works, which, as
22 we talked about, that's more limitation 1.7. All right?

23 So if you're talking about how the remote -- the phone is
24 playing back videos, it's using its local playback queue. You
25 can ignore the arrows on that diagram, and just look at the

1 phone with its local playback queue. That's what it's using to
2 play back. It's just playing back the videos you have on your
3 phone, to yourself. Whether you're in party mode or non-party
4 mode, that's how it works.

5 The arrows and things that I show in 22 are more for
6 limitation 1.7 when you're going to transfer playback and
7 you're going to send that local playback queue through the
8 server over to the screens.

9 **THE COURT:** Yes, but -- all right. I'm only focusing
10 on 1.4 for the moment.

11 **MR. SULLIVAN:** Yeah.

12 **THE COURT:** And I'm trying to understand why party
13 mode doesn't -- in which the computing device -- that's the
14 phone -- is configured for playback of a remote playback queue
15 provided in -- it's in the cloud.

16 **MR. SULLIVAN:** When you're playing back on the phone,
17 Your Honor, you only use your local playback queue. The
18 cloud's irrelevant. Even in party mode. It's there just to
19 coordinate other phones, for instance.

20 Maybe if you looked at Slide 48 --

21 **THE COURT:** But when you're in party mode, you --
22 you're not switching -- when you're in party mode, you are
23 using the cloud, aren't you?

24 **MR. SULLIVAN:** Only for coordination. If you turn to
25 Slide 48, maybe I can do it a little bit better with this

1 slide.

2 (Document displayed)

3 **MR. SULLIVAN:** I don't have a slide graphic for
4 Your Honor that's perfect for your question, but maybe I can
5 explain it with slide 48.

6 **THE COURT:** Okay.

7 **MR. SULLIVAN:** So slide 48, you see two phones on the
8 left there, right?

9 **THE COURT:** 48.

10 **MS. MYERS:** It's underneath "Browser change."

11 **THE COURT:** Oh, those tiny little things.

12 **MR. SULLIVAN:** Yeah, those tiny little things, right.

13 **THE COURT:** I see it. Yes.

14 **MR. SULLIVAN:** And here's another complication which I
15 really don't want to get into, but in YouTube Remote, party
16 mode or not, there is two modes. There's a standalone mode and
17 a remote control mode. "Standalone" means you are just playing
18 on the phones. Forget about the screens.

19 Okay, remote control mode is you've transferred playback
20 over to the screens, and now your phones are just remote
21 controls. Okay?

22 But let's take this standalone mode where you're just on
23 your phones. That's limitation 1.4, only. Okay, we haven't
24 dealt with 1.7. So you're on your phone. You play back in
25 non-party mode, you play back from a local playback queue on

1 your phone.

2 In party mode, right, you do the same thing, except that
3 you send a copy of your local playback queue to the cloud so
4 that it's relayed over to the other phone, the guest phone. So
5 that they could put that, again, in their local playback queue.

6 So the cloud serves as a relay. Both in party mode and
7 not party mode, it serves as a relay. The only difference is
8 in party mode, it keeps a copy so it can coordinate with all
9 the devices.

10 But that's not a queue that anyone's playing back from.
11 That's just a copy of the playlist. The queues are all local
12 on the devices. And they're filled with that copy that's being
13 -- being used for coordination purposes.

14 **THE COURT:** All right. I understood what you just
15 said. However, on, 1.4, standing alone, I'm trying to
16 understand why 1.4, standing alone, is not satisfied by the
17 party mode.

18 Let me -- I'm going to continue talking.

19 "Operating in a first mode in which the
20 telephone is configured for playback" -- I'm
21 going to assume playback to itself -- "of
22 remote playback queue provided by a cloud
23 computing system..."

24 So it does seem to me that the -- in party mode, the
25 playback is going to be -- it doesn't have to be to a TV. It

1 could be to itself, to the phone. Right?

2 **MR. SULLIVAN:** Yes.

3 **THE COURT:** So the smartphone is configured to play a
4 remote playback queue provided by the cloud. And I think what
5 you're saying to me is: No, the thing in the cloud is just a
6 copy, and -- but the actual queue that gives instructions for
7 playback is still resident on the smartphone.

8 **MR. SULLIVAN:** You're correct, Your Honor.

9 **THE COURT:** Well, I'm asking. Is that what you're
10 saying?

11 **MR. SULLIVAN:** Yes. Your Honor, let me just take this
12 quick example. You've got a phone; I've got a phone. You
13 create five songs, Joan Baez songs, on your phone in a queue.
14 You start playing it back. You're using a local playback
15 queue, right?

16 Now, all of a sudden, you decide --

17 **THE COURT:** I'm asking. Is that right?

18 **MR. SULLIVAN:** Yeah.

19 **THE COURT:** Okay.

20 **MR. SULLIVAN:** You haven't entered party mode yet.
21 You're just playing it back on your phone; you're enjoying your
22 five songs on your queue. It is locally on your phone. Right?

23 Now let's say you want to add me to your party. And you
24 want me to be able to watch those same videos on my phone.
25 Right?

1 You switch to party mode, right? You send a copy of your
2 local queue to the server so that the server can then send it
3 to me, and then I can put that in my local playback queue.

4 In other words, the cloud is just a relay service. It's
5 just helping communication between two phones or phones and
6 screens get a copy of the queue so they can add it to their
7 local playback queue. Get a copy of the list, I should say.
8 Your playlist. Your five songs.

9 The phone is not asking the cloud: What should I play
10 next? The phone knows what to play next. It's on its device;
11 it's on its local queue.

12 **THE COURT:** All right. Look at 1.4.

13 **MR. SULLIVAN:** Right.

14 (Document displayed)

15 **THE COURT:** Forget about party mode for the moment.
16 Just one ordinary user has their smartphone, and they want to
17 listen to some songs. And so they put in the five.

18 So you're narrowing your own patent to say that if the
19 list that is controlling the sequence is on the phone, itself,
20 then it's not covered by 1.4.

21 **MR. SULLIVAN:** That's correct. If there's no remote
22 playback queue that the phone is using for playback, then it's
23 not covered. You have to have a remote playback queue at the
24 phone in 1.4, and at the playback devices in 1.7.

25 **THE COURT:** What good is it, then? Why -- why would

1 anyone ever want to use your invention, if 1.4 is narrowed in
2 that -- when would it ever apply?

3 **MR. SULLIVAN:** Well, for the accused YouTube system,
4 for instance, Your Honor, which uses and relies on a remote
5 playback queue when you're playing back on the phone. That's
6 called the "watch next queue."

7 And there's more information on that, Your Honor, in the
8 paper we filed --

9 **THE COURT:** All right. Let's pass 1.4 for a minute.
10 Explain to me now why 1.7 isn't -- I think it -- "takes over
11 responsibility" is the key phrase. And you're saying that the
12 thing in the cloud never has responsibility for dictating which
13 song comes next. That comes locally from the phone, itself, or
14 the TV, itself.

15 **MR. SULLIVAN:** That's correct.

16 **THE COURT:** All right. Hold that thought. That part,
17 I understand what you are saying. I'm not saying I agree with
18 it.

19 All right. Ms. Baily, just address that. Come up here,
20 please, and address that one point.

21 What counsel is saying is that the playback device,
22 according to the invention, has to take over responsibility for
23 the playback of the remote playback queue from the computing
24 device.

25 What do you say to that point?

1 **MS. BAILY:** Sure. Well, you can look at Slide 22 --
2 if we could pull that up -- in Sonos's counsel slides. You all
3 were looking at that.

4 **THE COURT:** I'm sorry, your 22?

5 **MS. BAILY:** No, the ones that you guys were just
6 looking at in Sonos's presentation.

7 **THE COURT:** Okay, 22.

8 **MS. BAILY:** Uh-huh. And you can see that even in
9 Sonos's depiction, the queue is in the cloud. And the only way
10 that the playback device knows what to play next is because the
11 cloud delivers to the playback device the information from the
12 queue in the cloud.

13 (Document displayed)

14 **MS. BAILY:** This is distinguished from if I had a
15 phone, and I was just casting to a screen, I would just send my
16 local playback queue to the screen. It would go through the
17 cloud as a mechanism, but it wouldn't be saved in the cloud.
18 That's relay (Indicating quotation marks). That's me taking my
19 local playback queue and sending it to the playback device.
20 That would be a local queue telling the playback device what to
21 do.

22 That's not what happens here, even under Sonos's own
23 graphics and description of the system. What happens is when
24 you go into --

25 **THE COURT:** What happens under party mode? Or what

1 happens under the patent?

2 **MS. BAILY:** What happens under party mode is when you
3 go into party mode, the cloud takes over. Even according to
4 Sonos, you hear this notion of synchronizing? Exactly. The
5 cloud takes over. The cloud is the master queue.

6 And when there's an update to the queue in the cloud, it
7 is then that the cloud sends that information to the playback
8 device, and to the phones. To everything.

9 The information is stored and saved in the cloud. Even
10 under Sonos's interpretation. And a remote playback queue is
11 simply something in a cloud that is a list of playback videos.
12 That's what this is.

13 Even listening to Sonos's presentation just now, they
14 concede, there's a queue in the cloud. It is a remote playback
15 queue. Look at these arrows. It is the cloud that provides
16 the clue -- the queue --

17 **THE COURT:** Wait, wait. Help me on this.

18 So, 1.7. I want to read this, and I want to think in
19 terms of party mode.

20 **MS. BAILY:** Yes.

21 **THE COURT:** I want you to help me explain why party
22 mode would fit 1.7.

23 **MS. BAILY:** Okay.

24 **THE COURT:** All right. So based on receiving user
25 input, transmitting an instruction for the playback device to

1 take over responsibility for playback of the remote playback
2 queue from the computing device.

3 So we have -- we've got the playback device, we've got the
4 computing device. And then we have the concept of
5 responsibility for playback of the remote playback queue. I
6 counted three things there.

7 How does that language fit with the party mode?

8 **MS. BAILY:** Sure. If we could go to Slide 32 in our
9 deck, if we could switch the decks back.

10 (Document displayed)

11 **MS. BAILY:** So, here, you're in party mode. There's
12 an instruction for the playback device to take over
13 responsibility of the remote playback queue.

14 Now, I don't think there's a dispute that there's an
15 instruction to take over responsibility for playback. The
16 dispute is: Is it taking over responsibility of playback of
17 the remote playback queue?

18 And the reason we know that it is, is because the only way
19 that the playback device knows what to play back is because it
20 receives the information from the queue that is in the cloud.

21 When you hit party mode, and you go into party mode, it
22 changes the way the system operates, specifically so that the
23 cloud has the queue.

24 And if the cloud has the queue, the playback device knows
25 what to play back by receiving that information from the cloud.

1 From the queue in the cloud that was created. It's called a
2 "party queue." That queue in the cloud is created when you go
3 into party mode.

4 And the whole point of it is, then, the queue is in the
5 cloud. And so with respect to the phones, guests, hosts,
6 whoever, with respect to the playback devices, TVs, in all
7 kinds of rooms in your home, the only way, once the party queue
8 is created, that any of those devices know what to play is by
9 getting the information from the queue that's in the cloud.
10 The party queue. That is, in fact, the whole point of party
11 mode.

12 And so I go back to the example that's in our briefing,
13 which I think is the simplest way to understand it. You're
14 operating in party mode. So there's a bunch of people with
15 phones; there's a bunch of playback TVs. One person wants to
16 add something to what the whole party is watching on static
17 video. The way that they add a video is by adding it to the
18 queue in the cloud.

19 Only then do all of those devices -- all the phones, all
20 the TVs -- know to play back that video that was added. The
21 instruction, the information, is coming from the party queue
22 which is in the cloud.

23 The whole point of party mode is to move the controlling
24 queue into the cloud so multiple people can work on it at the
25 same time. Can edit it at the same time. The cloud manages

1 it, and then sends that information to all of the devices so
2 that they know what to play back next.

3 And the way you know that the device, with respect to
4 limitation 1.7, is taking over responsibility for the remote
5 playback queue is because it's getting it from -- it's getting
6 the information from the cloud. Even in Sonos's own picture.
7 So it's taking over responsibility of playback of the remote
8 playback queue. It's the party queue. It's the one queue that
9 everybody is looking to, to see what to play next.

10 **THE COURT:** Counsel says that the party mode sends the
11 playlist to each playback device, and it's that list that's
12 resident on the playback device that controls what is played
13 next on that playback device. Is that true?

14 **MS. BAILY:** No. And you can look at Sonos's picture
15 (Indicating).

16 **THE COURT:** Which picture?

17 **MS. BAILY:** Slide 22, for example (Indicating).

18 **THE COURT:** All right. Explain to me your point.

19 **MS. BAILY:** So you can see on Slide 22, once you are
20 in party mode, the queue gets moved to the cloud. So, sure.
21 You can have a local queue, and you can play it on your phone
22 when you're not in party mode. You can make a queue on your
23 phone, and you can play it on your phone. When you go into
24 party mode, the queue moves into the cloud.

25 Your phone does not provide information on your phone to

1 the playback device. No. Your phone created a queue in the
2 cloud. Now it is in the cloud. Now, every device receives the
3 information from the cloud.

4 So the whole point of party mode is to remove from your
5 local phone the playlist. Because the only way multiple people
6 can make changes to a playlist is if it's located in the cloud.
7 It can't be located on your phone. Right?

8 I can't use my phone to go into your phone and make a
9 change on a playlist. I can't do that. The only thing I can
10 do is if you go into party mode, you're putting the queue into
11 the cloud (Indicating). Okay. Well, now, now, I can access
12 that. Now, I can make changes. Now, all the devices can see
13 what to play, as dictated by the cloud.

14 And so this notion of, you know, having multiple people
15 edit I feel like is a helpful notion because that's the -- it's
16 kind of the whole point of party mode. Multiple people can
17 edit the queue. And so I couldn't edit the queue if it was
18 just on your phone. I can't get into your phone to do that.

19 But by entering party mode, the queue moves to the cloud.
20 Now, I can edit it, too. And so can you. And the playback
21 devices can get the information that they need from the cloud.

22 **THE COURT:** Looking at Claim 1, what do you think is
23 the difference between this and the prior -- the one that I
24 held was invalid? Or didn't I? Didn't I hold something was
25 invalid?

1 **MS. BAILY:** Yes. So, yes. So --

2 **THE COURT:** What is the -- what is the invention here,
3 in '033, Claim 1?

4 **MS. BAILY:** Yeah. Well, I would dispute that there's
5 an invention. But the other patent that we dealt with in the
6 showdown, is that what you're asking me about?

7 **THE COURT:** Yes.

8 **MS. BAILY:** The other patent that was invalidated.

9 **THE COURT:** Yes.

10 **MS. BAILY:** So what that patent dealt with was a
11 user-created playlist on your phone. So you create your
12 playlist on your phone of the five songs. And you want to cast
13 it to a playback device. So, a speaker, for example.

14 And the question there was: Is the speaker using a local
15 playback queue?

16 **THE COURT:** Well, that was on before -- before and
17 after point. Okay.

18 **MS. BAILY:** But here -- so in that case, where you
19 were just casting from your phone to a speaker, you were just
20 sending what was on your phone to the speaker. Nothing was
21 saved in the cloud, in that patent.

22 Here, Sonos is saying that there's a remote playback
23 queue, and that the remote playback queue is provided to your
24 phone and to the playback devices. When the playback devices
25 take over the playback of that remote queue.

1 So before in the patent that we were dealing with, it was
2 just casting from your device -- from your phone to a speaker.
3 And literally nothing was saved in the cloud. Here, it's
4 talking about a queue in the cloud that is being played back by
5 all these devices.

6 And party mode is the clearest example of that. That's
7 the whole point of party mode. It's so that there's a master
8 queue in the cloud, and that is what's dictating what gets
9 played locally on your phone or on the TVs or on your other
10 playback devices.

11 Did I answer your question?

12 **THE COURT:** You have. We've got more ground to cover.
13 All right.

14 **MR. SULLIVAN:** Your Honor, may I make one more point?

15 **THE COURT:** Yes, go ahead.

16 **MR. SULLIVAN:** So, Your Honor, I think what we are
17 seeing here is that there's a dispute, right? We're on summary
18 judgment. They have a clear and convincing burden. It's a
19 dispute whether or not the playlist, the copy of the playlist
20 that's kept on the cloud, right, is a remote playback queue or
21 not.

22 And Slide 22, I think counsel is ignoring the fact that
23 you can see, we've drawn there, that there's a local playback
24 queue on each of the screens, under the word "YouTube" on the
25 right.

1 The party playlist copy that's kept in the cloud is not
2 the one that runs the show. A playback queue is more than just
3 a list of media items that are selected for playback. Right?
4 We know that from this -- the non-infringement position.

5 **THE COURT:** But why doesn't it run the show, if -- if
6 there's a change made to it at the speed of light, the new
7 updated party list gets transmitted to all these playback
8 devices, and so the local playback queue is changed.

9 So you could say: Well, it does run the show, because it
10 can override and update the screens.

11 **MR. SULLIVAN:** Your Honor, we can look at 16 and 17.
12 I promise, this is the last point I'm going to take with you.

13 **THE COURT:** 16 and 17 of what?

14 **MR. SULLIVAN:** 16 and 17 of Sonos's presentation.
15 Look at 16 first.

16 **THE COURT:** Okay.

17 **MR. SULLIVAN:** 16 -- let me know when you get there.
18 (Document displayed)

19 **THE COURT:** Yes, I'm there.

20 **MR. SULLIVAN:** Okay. 16 is non-party mode. The same
21 way that edits are made in non-party mode, which we know is all
22 local playback queues, is the same thing that's happening in
23 party mode. Of course, you can make changes in either mode.

24 In non-party mode, you make a change on the phone, you add
25 a song, right? It goes to the queue. An update playlist

1 message is sent to the screens. That's how the screens get it.
2 They always have to get it from the server. There's just no
3 direct communication between the phones and the screens.
4 Everything passes through the server.

5 So in non-party mode, the screens get edits from the
6 server. And there's no dispute in non-party mode that those
7 screens are using a local playback queue.

8 And when you turn to 17, in party mode, it's the same
9 thing.

10 (Document displayed)

11 **MR. SULLIVAN:** You make a change on the phone. It has
12 to go to the cloud, because that's how these devices all
13 communicate. And then it gets disseminated down in an update
14 playlist, same exact message. Right? To the two leanback
15 screens.

16 So whether you're in party mode or non-party mode, if
17 you're a leanback screen, you get all your updates from the
18 cloud. That doesn't mean that there's a cloud queue. You
19 could take the cloud out. That's what I said before.

20 Take the cloud out; the playback devices can continue to
21 play back on their own from their local playback queue. They
22 are not dependent on the cloud. And if they never get an
23 update, Your Honor, they will just play their local playback
24 queue, and then they're done.

25 **MS. BAILY:** Your Honor, can I respond just to slides

1 16 and 17?

2 **THE COURT:** Yes.

3 **MS. BAILY:** So, this is exactly the point. So in
4 non-party mode, slide 16, if you make a change on your phone it
5 goes through the cloud. It is not saved there. It is not
6 saved there. It goes through the cloud to get to the local
7 playback device. The phone is providing the queue to the local
8 playback device. It is not saved in the cloud. For playback
9 mode, Sonos concedes, totally different because the queue is
10 saved in the cloud.

11 So you can draw two pictures that look the same. The
12 fundamental difference that's controlling is that in the first
13 non-party mode, nothing is saved in the cloud. The device is
14 providing the list to the speaker. It gets sent through the
15 cloud, because it has to be sent. But nothing is saved in the
16 cloud.

17 In party mode, it is completely different, because the
18 queue is saved. The party queue is saved. And it is from that
19 cloud party queue that all of the devices get the information.

20 **THE COURT:** I have a -- I've got a legal question for
21 you. Both sides.

22 When it comes to infringement -- I know we're not talking
23 about infringement yet. I mean, we already have passed that
24 one. But when -- on the infringement side of the equation,
25 there's a thing called a doctrine of equivalents. I know you

1 know it by heart. Is there an analog to doctrine of
2 equivalents, on the invalidity side?

3 In other words, can something be so close, prior art be so
4 close that it does the same thing, same function, same -- but
5 it's not exactly on point, that the -- that you can say: Okay,
6 under the doctrine of invalidity equivalents, that's good
7 enough?

8 **MS. BAILY:** Sure. It's obviousness.

9 **MR. SULLIVAN:** Well, I disagree, Your Honor.
10 Obviousness involves motivations to combine and all kinds of
11 things that are not involved with doctrine --

12 **MS. BAILY:** It's single reference -- I mean it's --

13 (Multiple speakers)

14 **THE COURT:** Wait, wait, wait, wait. All right. But,
15 is there -- all right. Is that your only answer, obviousness?

16 **MS. BAILY:** Well, no. I mean, the -- you have to --
17 look at -- I'm not sure -- maybe it would help if I had a
18 concrete example, because I just don't see where YouTube Remote
19 party mode deviates from here. But if the disclosure would
20 have you understand what is in the claims, then it is
21 sufficient to invalidate.

22 **THE COURT:** Is this motion based on obviousness? Or
23 is this motion based on anticipation --

24 **MS. BAILY:** So it's based on anticipation with respect
25 to the YouTube Remote party mode, except that with respect to

1 the device picker issue, Your Honor already found that for a
2 device picker, in your last showdown order, that the YouTube
3 Remote patent discloses that very clearly. And you combined
4 YouTube Remote Version 1 with that patent to find the device
5 picker previously. And so in that sense, there's a combination
6 with the YouTube Remote patent here as well, that's exactly the
7 same issue that you decided before.

8 So aside from the device picker, our position is -- and I
9 think very clear -- that the party mode of YouTube Remote
10 Version 2 discloses the remote playback queue of limitation
11 1.4, and the transfer of that same remote playback queue to the
12 playback devices in limitation 1.7.

13 **THE COURT:** What is your view?

14 **MR. SULLIVAN:** Yeah. Your Honor, I disagree with that
15 completely. And again, look at Page 18 in our slide deck. You
16 can see right there that their expert said the fact that
17 there's a remote copy of the queue is not determinative of
18 whether it is a remote playback queue or a local playback
19 queue.

20 (Document displayed)

21 **MR. SULLIVAN:** They keep saying just because there's a
22 copy in the queue means it's automatically a remote playback
23 queue. That's not true. And there's a fundamental difference
24 here, Your Honor. And it's exactly what you said earlier.

25 If you take the server out, even in party mode, those

1 leanback screens or phones have a local playback queue, the
2 full playback queue that they play from. They're not dependent
3 on the cloud.

4 We know that a remote playback queue has to be something
5 that those local devices -- I'm sorry -- the playback devices
6 or the phones are depending on. That's what makes it -- runs
7 the show. That's what makes it the playback queue. It's not
8 just any old list of items. It has to be the one that's
9 running the show. The one that if you took it out of the
10 system, the system wouldn't work anymore.

11 But that's not what happens in remote party mode, YouTube
12 remote. If you take the server out where the copy of that
13 playlist is, right, the devices can still play back from their
14 local playback queue.

15 And even, again, even if you don't agree with me, I think
16 again this is an issue for the jury to have to decide. I know
17 it's complicated. But this is exactly the kind of factual
18 issue that the jury's going to need to decide here: Is that
19 copy of the playlist in the queue, is that a remote playback
20 queue or not?

21 Let the jury decide that.

22 **MS. BAILY:** Your Honor, just two quick things on what
23 was just said.

24 First of all, with the device -- the argument that if you
25 take the cloud out of it, the device keeps playing. If you

1 take the cloud out of it, the reason why you know that the
2 queue that runs the show is in the cloud, you can't make
3 changes to the party queue. You can't do anything with the
4 party queue anymore. The cloud has to be there so that people
5 can edit and change the party queue, and then update the
6 devices.

7 So the point that if you take the cloud out of it, the
8 speaker keeps playing the current song, that's the wrong point.
9 The point is that: Now there is no queue that you can change
10 that you can manage; it's gone.

11 So, so the taking the server out of it does not help
12 Sonos's position. It helps our position.

13 **THE COURT:** Well, okay. For the brief moment that I
14 think I understand this, which will last about a fleeting
15 moment, I see these points.

16 It seems true that in party mode, the immediate
17 instruction on what to play next and what the list is is
18 resident on the speaker or playback device. And that that
19 instruction comes from the playback device, which then has to
20 go to the cloud to find that file. Not the list, but the file,
21 to play it on the playback device. So I see that point.

22 But I also see the point that the whole point of the party
23 mode is to allow each side to edit, on one point. And so the
24 cloud has a list. The list gets updated. And then that list
25 gets sent to the playback device, and those playback devices

1 are updated, and the old list is now immaterial; it's got a new
2 list.

3 Have I -- is at least what I said correct?

4 **MS. BAILY:** The second point is certainly correct.
5 I'm not sure -- I just didn't understand the first one. I
6 apologize.

7 **MR. SULLIVAN:** Your Honor, I think it was generally
8 correct, except the fact that -- these edits of the playlist?
9 Right? Remember, you have to have the server there in both
10 non-party mode and party mode, because that's how communication
11 between the phones and the speakers work in that system. So
12 there's really no difference.

13 We know in non-party mode it's all local playback queues.
14 That's what they used to invalidate the '615 patent. Right?
15 So if you're in non-party mode and you want to make an edit to
16 your queue, you have to go through the server. So of course,
17 if you take the server out of the equation, in non-party mode
18 or party mode, you can't do any updates.

19 **THE COURT:** Well, as I read your Claim 1, though, the
20 whole point of it is there's a remote playback queue. So you
21 go on your phone, and you say: All right, I want to play a
22 YouTube selection of Joan Baez songs. Whatever they got, I'll
23 go with. So they come back with Joan Baez Best Hits.

24 And somehow, you transmit an instruction to the playback
25 device to take over responsibility, so you can cast it to your

1 TV or your playback device, and you don't have to do it from
2 your phone.

3 **MR. SULLIVAN:** The advantage there, Your Honor, is you
4 don't have to have the full queue locally on the phone or on
5 the playback devices, because you're relying on a remote
6 playback queue. That's the advantage of the claims.

7 In YouTube Remote, they kept full copies of the entire
8 playlist locally, at the phones, and at the screens.

9 **MS. BAILY:** Your Honor, the claims don't say that you
10 can't have local copies. The claims require a remote queue.
11 That runs the show.

12 **THE COURT:** Okay. I don't know the answer to this
13 one, but we have now burned up an hour and a half, almost, on
14 this one. And I -- I have an 11:00 calendar. So we -- we've
15 got about an hour left, at most, to deal with other issues.

16 So which is the one that you want to deal with next? How
17 about the -- how about the one dealing with the rooms?

18 **MS. BAILY:** (Nods head)

19 **MR. SULLIVAN:** Thank you again, Your Honor, for your
20 patience. I appreciate it.

21 **THE COURT:** You're welcome. The rooms. I'm sorry,
22 I've got so many notebooks that I can't find my cheat sheet.

23 Here it is. All right, we have the groupings. '885 and
24 '966.

25 **MR. PAK:** That's right, Your Honor. Sean Pak of --

1 **THE COURT:** All right. You get to make one important
2 point.

3 **MR. PAK:** Thank Your Honor. May I hand up some
4 slides?

5 **THE COURT:** Huh?

6 **MR. PAK:** Can I hand up some slides on --

7 **THE COURT:** You mean, you've got more slides?

8 **MR. PAK:** This is just on our motion on the '885, and
9 -- yes.

10 **THE COURTROOM DEPUTY:** Two more copies.

11 **MR. PAK:** Yes, thank you.

12 (Document handed up to the Court)

13 (Document tendered to court staff)

14 **THE COURT:** Okay.

15 **THE COURT:** Go ahead. Whatever your important -- make
16 it in about three to five minutes.

17 **MR. PAK:** All right. Thank you, Your Honor.

18 All right. Let's jump to slide 3. As Your Honor saw from
19 the motion, --

20 (Document displayed)

21 **MR. PAK:** -- we are making an obviousness combination.

22 The obviousness combination begins with the prior art 2005
23 system that was sold by Sonos in January of 2005.

24 So if we turn to slide 4.

25 (Document displayed)

1 **MR. PAK:** We have two pieces of prior art that we're
2 combining. The January 2005 system, which had all the basic
3 building blocks of the asserted claims from these patents
4 except for one key difference, which is they did not save
5 speaker groups. That's the only difference. And we'll walk
6 through that point.

7 That's really the key point I want to emphasize to
8 Your Honor today. The only difference between what Sonos was
9 selling to everybody in January of 2005, more than a year
10 before the effective filing date of the patents, the only
11 difference was saving speaker groups that the users were
12 already creating.

13 So the obviousness comes in, in September of 2005. We
14 have a series of postings by users who actually purchased the
15 Sonos 2005 system, and started using it. And what did they
16 experience?

17 They could play music, synchronously. They had zone
18 players; they had controllers. They could create groups on the
19 fly. And they could say: I want to combine Speaker 1, Speaker
20 2, Speaker 3.

21 The one thing they couldn't do, which was frustrating to
22 all the users, is: I couldn't save the groups I created.

23 And so what we see in September of 2005 is a series of
24 postings, public postings by the users of the same system
25 saying this is an obvious feature that is missing in your

1 product. Why do I have to keep making the same groups every
2 time I reboot the system? Why can't I just save the groups
3 that I have been creating?

4 So we have a very strong combination here. It's the same
5 users who are using the same systems, saying the one thing that
6 is missing -- I love your product. The one thing that's
7 missing is I can't save the groups that you're allowing me to
8 create.

9 And, Your Honor, that's the obviousness case. And if you
10 turn to slide 5.

11 (Document displayed)

12 **MR. PAK:** And I think the thing that I would take us
13 back to Your Honor is Your Honor's ruling on written
14 description.

15 If you recall, earlier in the case, there was a motion
16 that Google brought saying: Where is it in the patent that
17 there's a written description of these claims?

18 And there were a couple of things that were at issue. One
19 was the sequence of operation, if Your Honor remembers. There
20 was: Are you in standalone mode, for example, when you're
21 creating these groups? And then, are the groups being saved
22 for later use? That was one issue. Where is that in the
23 claims? Or in the specification?

24 And then the other issue was: Where is the disclosure of
25 overlapping groups where one speaker could belong to multiple

1 groups who were being saved?

2 And Your Honor took us to Figure 6. Your Honor said at
3 the end of the day --

4 **THE COURT:** Figure 6? Slide 6 or Figure 6?

5 **MR. PAK:** Figure 6, Your Honor, this is on Page 5 --

6 **THE COURT:** Oh, I see. We're on 5, okay.

7 **MR. PAK:** Yeah. So this is Figure 6 from the patent.

8 And Your Honor said Figure 6 discloses all of the limitations
9 of the claims with respect to the sequencing of the operations.

10 And we can see your language on Page 9 of the slide deck.

11 (Document displayed)

12 **MR. PAK:** This is taken from Docket 309, your order on
13 the showdown MSJs and Your Honor said: True, Google repeatedly
14 points out the specification never uses the term standalone
15 "mode." However, we don't have to use words verbatim.

16 Your Honor said:

17 "Figure 6 illustrates the process of forming
18 and 'invoking' a zone scene."

19 And if you turn to the next slide.

20 (Document displayed)

21 **MR. PAK:** You specifically included this figure,
22 and you said: Figure 6 discloses the whole process in the
23 claims of creating multiple speaker groups, saving them for
24 later use. And the key thing is they're being saved for later
25 use.

1 And why is that important? Because if I don't transition
2 immediately into the zone groups, that means I'm still
3 operating in standalone mode. And only later in time would I
4 then invoke that speaker group, and I transition into the group
5 mode.

6 And the example Your Honor also used in finding
7 infringement against Google was the -- if you remember, the
8 morning mode. Your Honor found that naming groups and saving
9 named groups for later use is sufficient to satisfy the
10 language of the claims.

11 And Your Honor found that -- let's take you to that, which
12 is on Slide 18, Your Honor, of the deck.

13 (Document displayed)

14 **MR. PAK:** Your Honor asked (As read) :

15 "The question, then, is simply whether a
16 user's ability to name speaker groups means
17 that the user can group speakers according to
18 a common theme. The answer is yes. While
19 the specification is largely barren on this
20 point, it expressly states that a user can
21 make a zone scene by 'making a group of 3
22 zones named after "Morning.''''

23 The citation to the patent, column 8.

24 **THE COURT:** Which slide are you on?

25 **MR. PAK:** Your Honor, this is Slide 18.

1 **THE COURT:** Oh.

2 **MR. PAK:** This is taken from Your Honor's order.

3 **THE COURT:** Okay.

4 **MR. SULLIVAN:**

5 **MR. PAK:** (As read)

6 "....expressly states that a user can make a
7 zone scene by 'making a group of 3 zones
8 named after "Morning."' The specification
9 does not suggest anything else is necessary."

10 And Your Honor concludes:

11 "....the basic purpose of this invention..."
12 -- so for both of these patents that we're
13 talking about now -- "...is to allow users to
14 pre-save customized speaker groups and later
15 'invoke' the named group on demand."

16 That was Your Honor's conclusion in finding that Google
17 practiced the claims of the patent.

18 And one thing we know, Your Honor, is what's true for
19 infringement in terms of claim language has got to be true for
20 prior art purposes.

21 So now we turn to Slide 19, which is the next slide.

22 (Document displayed)

23 **MR. PAK:** That's exactly -- that notion, down to the
24 example of the Morning mode, that's exactly what the users of
25 the Sonos 2005 system were telling the world in public

1 postings -- including Sonos. Those public postings, as the
2 record indicates, were created by Sonos to solicit feedback on
3 how to improve their products.

4 So these users were using the Sonos 2005 system, coming
5 back on those public forums, and saying exactly what? The
6 basic purpose of these inventions.

7 And there are multiple postings, Your Honor. I'll just
8 focus, in the interest of time, on the last one at the bottom.
9 And it says (As read) :

10 "....I would save..."

11 "Just got the intro bundle, I'm impressed. I
12 did a search and did not find this suggested,
13 but I would save -- save the Zone links as
14 favorites. With only 2 zone players it's not
15 a problem yet, but when I add more it maybe."

16 So he is saying: Look, I can create multiple speaker
17 groups, but I can't save them. So let's go and save them. And
18 the examples that he give are exactly the same examples that
19 are given in the patent specification:

20 "I would like to setup say Morning mode..."

21 Which is exactly the example that we saw, and that
22 Your Honor relied on.

23 **THE COURT:** You mean I came up with that idea on my
24 own, and this was the same thing that the guy on -- posted?

25 **MR. PAK:** Your Honor, and the Morning mode is not only

1 the idea -- you're right -- Your Honor came up with; it's also
2 in the specification. So Your Honor was actually saying --

3 **THE COURT:** Oh, it was in the specification.

4 **MR. PAK:** The specification. Your Honor was saying:
5 Look, I'm not seeing a lot. You said the specification is
6 largely barren on exactly how you set up and save these zone
7 scenes, according to the --

8 **THE COURT:** What in the specification specifically
9 speaks to how you would save?

10 **MR. PAK:** Oh, great question. It literally is one
11 sentence. And it's "saved." So I will show you --

12 **THE COURT:** The reason I ask that question is this.
13 It occurs to me what you're pointing out here would ordinarily
14 be thought of as obvious to try.

15 **MR. PAK:** Yes.

16 **THE COURT:** Not obvious to do. Saying "obvious to
17 try" is not enough to make it obvious -- like we all -- it's
18 obvious to try for an anti-gravity machine.

19 Well, why don't you come up with it, and tell me how
20 you're going to do that.

21 **MR. PAK:** Right.

22 **THE COURT:** So that's obvious to try. Obvious to do
23 is sometimes harder. But, if the specification, itself,
24 doesn't tell us how to do it because it's so obvious that
25 everyone would know, then maybe -- maybe obvious to try is

1 enough to invalidate it.

2 **MR. PAK:** That's right, Your Honor. And --

3 **THE COURT:** I mean, is there case law that says that?
4 Or is that just old Bill talking?

5 **MR. PAK:** No, Your Honor's absolutely right.

6 **THE COURT:** No, no. Tell me the case law.

7 **MR. PAK:** The case law is obvious to try is also
8 sufficient as *KSR*.

9 **THE COURT:** Wait, how can that be? How can obvious to
10 try ever be enough?

11 **MR. PAK:** What the Federal Circuit has said is
12 "obvious to try to those skilled in the art." So if those
13 skilled in the art would understand that the basic tools that
14 are available in the art -- for example, saving something, if
15 that was straightforward, and the claims don't require a
16 particularly innovative way of saving, then it's obvious to try
17 and it would be obvious to do for those skilled in the art.

18 And I want to answer your --

19 **THE COURT:** But on that last point, I'm asking this
20 question. If the specification, itself, does not elaborate on
21 how to save, can we take that under the case -- does the case
22 law say we can take that as an admission against interest to
23 the patentholder that anybody skilled in the art would know how
24 to do it?

25 **MR. PAK:** Yes, Your Honor.

1 **THE COURT:** All right. Read me that paragraph from
2 the Federal Circuit.

3 **MR. PAK:** Well, let me take you will to the *KSR* case,
4 Your Honor. Your Honor, let me --

5 **THE COURT:** Go ahead.

6 **MR. PAK:** If I can just come back to that, because I
7 can find the cite later, but I did want to just answer your
8 question first, and then we can get to this point.

9 Your first question to me was: What does the patent say
10 about the word "saved"? What --

11 **THE COURT:** What does the specification -- what does
12 it teach about how to save?

13 **MR. PAK:** Correct.

14 **THE COURT:** And if the answer is nothing --

15 **MR. PAK:** Nothing.

16 **THE COURT:** -- then maybe it would be obvious. That's
17 an admission.

18 **MR. PAK:** That's right. So Your Honor, on Slide 20,
19 this is what the patent says. It literally says:

20 "At 606, the scene is saved."

21 And that's it. That's the only --

22 **THE COURT:** Wait. I'm sorry. I'm sorry. It says --
23 you've got so many things underlined here, I can't read it.

24 **MR. PAK:** Yes, Your Honor. So on Slide 20, it's the
25 box to the right, on the upper side.

1 (Document enlarged)

2 **MR. PAK:** Column 10, Line 41 through 44. It literally
3 says:

4 "At 606, the scene is saved."

5 And 606, Your Honor, was that flowchart that we were
6 looking at from Figure 6 that Your Honor relied on. It
7 literally just says "saved." That's it.

8 And if you turn to other portions --

9 **THE COURT:** But, is there a paragraph later that
10 explains the complications of source code, of how to go about
11 saving --

12 **MR. PAK:** None.

13 **THE COURT:** -- the configuration?

14 **MR. PAK:** None. There's no -- no disclosure in the
15 patent --

16 **THE COURT:** Who over there is going to answer this?
17 Okay.

18 **MR. SHEA:** That'll be me, Your Honor.

19 **THE COURT:** To me, I'm ready to throw this one out on
20 the ground that it's obvious because you, yourself, didn't say
21 anything in the specification as to how -- why it was so
22 inventive to save something, or how to do it.

23 No, not yet -- come on up here, yeah.

24 And then, therefore, that's an admission against interest
25 that anybody -- anybody skilled in the art would be able to --

1 otherwise, it's not enabled. So you've got a problem here. I
2 want to hear your answer to that.

3 **MR. SHEA:** Yes, Your Honor. Rory Shea for Sonos,
4 Your Honor.

5 I think what's happened here, Your Honor, is we've gotten
6 on a path where the one thing we haven't looked at yet today
7 about this patent is the claim. Google and Mr. Pak has told
8 you that the only innovative thing about this patent and this
9 claim is saving. And that's just simply not true.

10 If we look at the claim, there is a number of functional
11 steps, ten of them in one, 11 of them in another, that walk
12 through the step-by-step of how this process works. And it's
13 not just -- unlike how Google wants to oversimplify this claim,
14 it is not just merely the act of saving --

15 **THE COURT:** But he says that the prior art did all of
16 those many steps, with the exception of saving.

17 **MR. SHEA:** And it's simply just not true, Your Honor.

18 **THE COURT:** Oh, okay. Well, then, give me a good
19 example of something that is clear-cut, that was not in the
20 prior art.

21 **MR. SHEA:** Absolutely, Your Honor.

22 **THE COURT:** I'm looking at Claim 1 of the '885.

23 **MR. SHEA:** Okay, Your Honor. Yes. Let me pull that
24 up on the screen. If we could go to Slide 23.

25 (Document displayed)

1 **MR. SHEA:** So Your Honor, looking at Claim 1 of the
2 '885, and what we have done in our slide here is we've
3 annotated it to kind of break it into the two stages of how
4 this process works.

5 **THE COURT:** Which slide is that?

6 **MR. SHEA:** This would be 23. I'm sorry, Your Honor,
7 this is behind the tab "Validity of the '885/'966 Patent."

8 **THE COURT:** Okay. Which number slide?

9 **MR. SHEA:** Slide 23.

10 (Document displayed)

11 **THE COURT:** Okay.

12 **MR. SHEA:** So what you can see here, Your Honor, is,
13 as I mentioned, when we talk about zone scenes, what this was
14 was a new way of grouping players together that broke that
15 process down into two discrete phases.

16 You have a setup phase, where you actually set up or
17 create the group. And then -- and that's -- part of that is
18 saving. That's one part of it, but it's certainly not the only
19 part of that. And then you have a separate process for
20 invocation.

21 And one of the critical things that this claim sets
22 forth -- and the '966 has very similar characteristics -- is
23 when you are going through the setup phase -- what happens is
24 that the controller -- the network device in the context of
25 this claim, which is the controller, is going to send two

1 separate kinds of messages in these two separate phases.

2 In the first phase, the setup phase, you can see this is
3 in 1.6 and 1.7, the claim requires two different instances of
4 it. But there's an indication of having been added to this
5 zone scene, this pre-saved group that gets sent from the
6 controller device to the zone player at that point.

7 Just at that stage, Your Honor, that is not something that
8 was in Sonos's 2005 system. It couldn't be, because they
9 didn't have zone scenes. That's just not how -- which Google,
10 itself, concedes, at least for purposes of this motion.

11 The messaging that gets sent there, that is new. That was
12 invented by Sonos, by Mr. Lambourne, as the first stage of the
13 functional process of: How are we going actually do this?

14 It's one thing to just say: Hey, let's just save groups.
15 Let me write that on a user post. It's quite another matter to
16 say: Well, how are we actually going to implement that in a
17 system like Sonos's? And that is what this claim lays out,
18 over step by step.

19 So it walks you through. And it says: Okay, when the
20 user is setting up a first group, we're going to send a first
21 indication that you've been added to that first group.

22 Then the claim also specifies you can also add a player to
23 a second group. Now, that's another thing that couldn't have
24 been done in Sonos's system. In Sonos's original system,
25 groups were mutually exclusive. You could only ever be a

1 member of one. Because they weren't zone scenes. They were
2 automatically activated, could only exist while being
3 activated.

4 Then what the claim says is, in 1.8, it also tells you how
5 does the player behave after having received those messages?
6 What, what does the player do? Because there's different
7 things the player do when it gets those messages.

8 In Sonos's 2005 system, when the user asked to put a
9 player in the group, the player automatically began operating
10 as part of that group.

11 What this claim says in 1.8 is: No, we're not going to do
12 that here. For this zone scene technology, we're going to keep
13 that player in standalone mode.

14 So we've now added it to two groups, which is 1.6 and 1.7,
15 but in 1.8 says: I'm going to keep it in standalone mode.
16 Because I want to be able to put -- create these groups but in
17 the background. I don't want to use them right now. This is
18 -- this is not something we're going to use right away. This
19 is something I'm setting up for our future.

20 And then what 1.9 and 1.10 tell you is: Now we're on to
21 some later point in time after you've done all that setup work.
22 And what it says is that now you send, after one of these zone
23 scenes -- and the player's in, too, according to this claim,
24 gets selected for invocation -- now I'm going to send this
25 separate message in the Claim 1.9, referred to as an

1 instruction to operate in accordance with the group, and that
2 instruction is then going to cause the group -- the zone scene
3 to become invoked, and cause the players to react in a
4 synchronized manner by coordinating with one another.

5 That's the actual point in time where this group is
6 activated. Put into play, and can be used by a user to then
7 play back audio in synchrony. So that's step by step.

8 Even setting aside the fact that Sonos's 2005 system
9 didn't have the capability for a user to create presaved
10 groups, it didn't have any of these other details.

11 **THE COURT:** All right, okay. I get your point.

12 What do you say to that, that saving is not the only
13 difference? Counsel is saying that the -- the prior art did
14 not allow this mixing and matching; you could only be in one
15 group. What do you say to that?

16 **MR. PAK:** First of all, it's absolutely not true,
17 because their own expert, Your Honor, admits the following.

18 In the Sonos 2005 system, as you spoke to Ms. Baily about,
19 the party mode that we're hearing on YouTube Remote, they had a
20 party mode as well.

21 So in Sonos 2005 it was saved in the system called "party
22 mode." It automatically added every speaker in the house into
23 this party mode. That was Group No. 1. And then, as we were
24 talking about, the users can create their own user groups in
25 Sonos 2005 by selecting from any combination of the speakers.

1 So right now, in 2005, absolutely true that a single
2 speaker can belong to multiple groups. Number one.

3 Number two -- and I'm going to use Dr. Almeroth which is
4 Sonos's own expert, Your Honor, to walk through everything
5 else. The only thing that is missing is saving. And this is
6 on Slide 13.

7 I'll actually start with Slide 12 of my presentation,
8 Your Honor. So --

9 (Document displayed)

10 **THE COURT:** 12?

11 **MR. PAK:** Yes, Your Honor. Slide 12 of my
12 presentation.

13 And just for shorthand, I'm going to use Figure 6 on the
14 left to walk us through the same figure you were discussing
15 with counsel.

16 Well, what's the first setup?

17 "Configure a zone scene.

18 "Decide which zone players to be associated
19 with the scene."

20 Well, that's exactly how Sonos 2005 system allowed you to
21 you create speaker --

22 **THE COURT:** This is Figure 6 from what?

23 **MR. PAK:** Figure 6 from the patent, the '885 patent.

24 And on the right, that's a demonstrative, Your Honor, from
25 Dr. Almeroth, which is Sonos's expert. And he's showing an

1 illustration of the Sonos 2005 system where you can scroll to
2 see which of the speakers -- remember, all the speakers are
3 already part of the party mode, by default.

4 But you could also then go through this sequence that's
5 shown in Dr. Almeroth's own demonstrative, where you pick your
6 own user customized selection of speakers, and then you add
7 them to speaker groups.

8 And this is in Dr. Almeroth's own report. You can create
9 and configure speaker groups, decide which zone players to be
10 associated with the scene.

11 And then if you turn to the next slide, Slide 13, Slide 13
12 of my presentation. I'm using again Dr. Almeroth's own
13 demonstrative, demonstration of the 2005 system.

14 And he shows that, in fact, you provide indications from
15 the controller that you are using to the two zone players,
16 saying: This is the group now that you have been added to.
17 And that that message was:

18 "SetAVTransportURI message,"

19 And how do we know that? If you turn to the next slide,
20 Slide 14, both experts agree that the first zone player
21 receives this SetAVTransportURI message that identifies the
22 group to join. That's Dr. Schonfeld, Google's expert.

23 Dr. Almeroth says that SetAVTransport message was a
24 direction for the zone player to enter into a new ad hoc zone
25 group.

1 All of this is undisputed. That the Sonos 2005 system had
2 indication messages that were being sent to the separate zone
3 players when they were being added to user customized groups.

4 And counsel talked about how this was such a big leap.
5 Just like with saving, Your Honor, you can look through the
6 entire patent, and you won't even see any algorithms or any
7 specific messages on this indication.

8 The only time the word "indication" ever shows up is in
9 the patent claim.

10 **THE COURT:** All right. What do you say to that
11 rebuttal?

12 **MR. SHEA:** So Your Honor, first of all, I just would
13 repeat again, we are looking at a comparison here between the
14 Sonos system and the Figure 6. Not what -- what is in the
15 claims. And again, I think what -- there's an intentional
16 reason we are doing that, is because of the Figure 6 is broader
17 in scope than what the claims actually say and what they
18 require.

19 But in terms of what Mr. Pak has walked through so far,
20 Your Honor, the SetAVTransport message, while there was a
21 single message sent in Sonos's 2005 system, which -- which both
22 parties agree, that single message did everything at once. It
23 both -- it created the group, and it invoked the group, and
24 that group was active at that moment. It was a single message
25 that achieved all of that at once.

1 And that really is, I think, the whole key here. So that
2 message is not the same as the messages we cited in our claims.
3 And, again, there are two of them in the claims.

4 Which, we looked at that claim. I think it might still be
5 on the screen on Slide 23. There's two -- there's a total of
6 three messages here recited, but two types, Your Honor.

7 (Document displayed)

8 **MR. SHEA:** One type in 1.6 and 1.7. That's saying
9 here's the indication to -- that you've been added. That's the
10 message that -- that is sent as part of the creation --

11 **THE COURT:** What's the point of sending a message to a
12 speaker that they've been added? It's been added?

13 **MR. SHEA:** So that they could -- so that it could be
14 saved at the speaker, Your Honor, so then it would be available
15 for future use. Because the whole idea here is -- and I think
16 that this is getting lost. The whole idea --

17 **THE COURT:** Wait, again. Gets saved at the speaker?

18 **MR. SHEA:** Yes.

19 **THE COURT:** Or does it get saved somewhere else?

20 **MR. SHEA:** It gets saved at the speaker, Your Honor.

21 And I think, so if we go --

22 **THE COURT:** Where does it say that?

23 **MR. SHEA:** Yeah. Let me get us to the right -- sorry,
24 Your Honor. So the purpose of that message is for it to be
25 saved at the speaker. Claim 1 of the '885 does not expressly

1 recite that it is saved at the speaker. Claim '966, the
2 other -- one of the '966, does expressly recite that.

3 But what the specification tells you on that is that the
4 message is being sent, that an indication is being sent,
5 because it's being saved at the members of the group. And
6 that's how this technology worked.

7 And saving it at the zone players in these types of
8 systems is an important aspect of this invention.

9 **THE COURT:** Why is that so important? Why can't it be
10 saved somewhere else?

11 **MR. SHEA:** Yeah. Good question, Your Honor. So the
12 reason for that is because if you think about these systems and
13 how they work, the players, themselves, are the things that
14 remain in your listening environment at all times. Those are
15 the things that you put on shelves or tables or bookcases, and
16 you plug them in.

17 The controllers, which would be the other primary option
18 for saving -- there are maybe other options, like the cloud,
19 Your Honor. But the other primary option would have been the
20 controller. The problem with controllers is that they can come
21 and go from the system, Your Honor.

22 So if you think about, for instance, your smartphone
23 today, which is the most common implementation of a controller
24 today. You may leave your house and take your smartphone with
25 you. And if these zone scenes, these presaved groups, are on

1 your phone, they've now become unavailable for use by anybody
2 else in your home.

3 So one of the things that Sonos focused on doing here is
4 we want to have these -- the preferred embodiment of zone
5 scenes was to save them on the zone players. So that as
6 different controllers came and go, and connected to the system,
7 those presaved zone scenes would always be available there, so
8 that users could then invoke them for future use.

9 And, and that's really -- and the whole --

10 **THE COURT:** So, so the -- all right. So let's say you
11 have two people who live together in a house, A and B. And A
12 sets up the speakers morning, evening, and so forth, and the
13 configurations, and then goes on a trip to Thailand.

14 And then B is still there, but B does not have -- what
15 does B have to have on their phone, or how would B go about
16 operating the morning and the evening configurations? What has
17 to be on B's phone?

18 **MR. SHEA:** Yeah. So B's phone would still have to
19 have an app that would allow them to interact with and control
20 the system. For Google, that would be the Google Home app, for
21 instance. You would have to have that app.

22 But, but the key is because the zone -- the groups were
23 not saved on the phones, your app can now still access those
24 presaved groups. Because they're stored on the players. And
25 that's the important piece.

1 **THE COURT:** The players connect to the home wifi, and
2 the wifi connects to the new iPhone and tells -- updates it,
3 and populates it with what the configurations are?

4 **MR. SHEA:** That's exactly right, Your Honor. So the
5 way these things work is every time you connect a phone with
6 one of those apps to the systems, the -- the phone then
7 communicates with the system, pulls that system, and then pulls
8 down that information from the system that exists in the home.
9 The thing that -- you know, the players, themselves.

10 **THE COURT:** Okay. Hold that thought.

11 Did the prior art that you are invoking, did Sonos's own
12 speakers do that?

13 **MR. PAK:** Absolutely, Your Honor. And not only that,
14 he's just wrong when he says that the patent requires the zone
15 groups or scenes to be saved in a zone player. And we can look
16 at that in Slide 11 of --

17 **THE COURT:** But he said '966.

18 **MR. PAK:** Yes, '966. There's only one claim that's
19 being asserted that requires it. Every other claim that's been
20 asserted doesn't mention anything about where you save the
21 group information.

22 **THE COURT:** What is asserted in '966?

23 **MR. PAK:** There's a claim, I believe Claim 4 --
24 there's a variety of claims asserted. One of the dependent
25 claims, Claim 4, I believe, says that the zone scene

1 information is saved in the zone player. But all the other
2 claims are silent on that issue.

3 **THE COURT:** Well, but is zone -- is Claim 4 asserted?

4 **MR. PAK:** Claim 4 is asserted.

5 **THE COURT:** Well, but you said none of them asserted
6 were --

7 **MR. PAK:** Oh, sorry. The vast majority of them do not
8 mention that. Only one --

9 **THE COURT:** All right. So one does and the rest
10 don't.

11 **MR. PAK:** The rest of them do not. And this is why,
12 Your Honor, on Slide 11.

13 (Document displayed)

14 **MR. PAK:** Your Honor found in the showdown order --

15 **THE COURT:** I'm sorry, which one is yours?

16 **MR. PAK:** It's the one with the blue --

17 **THE COURT:** This one (Indicating).

18 **MR. PAK:** Yes, Your Honor. Slide 11.

19 **THE COURT:** Okay. What did I say?

20 **MR. PAK:** Your Honor stated in the showdown order at
21 Page 15, Docket 309 (As read):

22 "Sonos additionally points to the
23 specification's disclosure that 'various
24 scenes may be saved in any of the members in
25 a group.' "

1 And that's significant, Your Honor, because if you turn to
2 the bottom portion of that slide at Column 10, Line 66 to
3 Column 11, Line 7, both patents being asserted here
4 specifically state that a controller is a member. And in
5 particular, it says:

6 "In one embodiment, data including the
7 parameters" -- these are the parameters that
8 is used to set up zone scenes -- "is
9 transported from a member (e.g., a
10 controller) to other members in the scene so
11 that the players are caused to synchronize an
12 operation configured in the scene."

13 So what this is telling us explicitly, Your Honor, is the
14 invention doesn't care about where you store it, whether it's
15 in a zone player or a controller. It could be any member of a
16 group which includes the controller.

17 And to Your Honor's question about the morning mode, it
18 would be true if your wife set up the morning mode for herself,
19 and she's traveling to Italy, that you wouldn't be able to
20 access it. But that's okay, because these are supposed to be
21 user-defined groups, unlike the built-in party mode. She may
22 have a different group for morning mode than the one Your Honor
23 might decide for yourself to play in the morning.

24 So these are user customizable groups. And that's the
25 reason why the invention tells us in the specification that you

1 can store it anywhere. And again, we didn't hear anything from
2 counsel about any additional disclosure of saving. No
3 disclosure of how to send indications.

4 And to answer your question, Your Honor, I did find that
5 *KSR* case; I want to read it for the record.

6 **THE COURT:** Go ahead.

7 **MR. PAK:** Yeah. So this is *KSR Teleflex*, 550 US 398.
8 A Supreme Court case, dealing with obviousness. This is at
9 403. Quote (As read) :

10 "Third, the Court erred in concluding that a
11 patent claim cannot be proved obvious merely
12 by showing that the combination of elements
13 was obvious to try. When there is a design
14 need or market pressure to solve a problem
15 and there are a finite number of identified
16 predictable solutions, a person of ordinary
17 skill in the art has good reason to pursue
18 the known options from his or her technical
19 grasp. If this leads to the anticipated
20 success, it is likely the product not of
21 innovation, but of ordinary skill and common
22 sense."

23 **THE COURT:** All right. I'm going to -- we've got to
24 break here. We've been going two hours.

25 **MR. PAK:** Yes.

1 **THE COURT:** Give you ten to 12, 15 minutes; is that
2 enough, Belle?

3 **THE REPORTER:** (Nods head)

4 **THE COURT:** And then we'll come back, and I'm going to
5 let the other side make one important point; you get a
6 rebuttal. And then I've got an 11:00 calendar, so I have to
7 move on to the next problem.

8 **MR. PAK:** Yes, sir.

9 **THE COURT:** So the Sonos side gets to make an
10 important point when we return.

11 **THE COURTROOM DEPUTY:** Court is in recess.

12 (Recess taken from 10:06 a.m. to 10:29 a.m.)

13 **THE COURTROOM DEPUTY:** Please remain seated. Please
14 come to order.

15 **THE COURT:** Wait for my law clerk for a second.

16 Okay, Sonos gets to make one important point.

17 **MR. SHEA:** Thank you, Your Honor.

18 My one important point here, Your Honor, is that even
19 setting aside the question of whether there was motivation to
20 make the modifications that are being proposed here by Google,
21 I think really the one important point is even if you were to
22 go ahead and make that accommodation, even if a person of
23 ordinary skill in the art was to take Sonos's 2005 system as it
24 existed at that time and combine it with what little is said in
25 these Sonos forum posts, effectively -- I would say zone links

1 as favorites.

2 Even if you were to combine that all together, the key
3 here is that combination does not disclose or suggest several
4 elements of the claim. And that is the key.

5 I mean, in almost every obviousness case that you see, you
6 always have a situation where the combination, in one place or
7 the other, there's disclosure of all the elements of the claim.

8 **THE COURT:** All right. Well, you're back on your
9 other point, but that's fine, that's -- but -- I'm sorry, I've
10 got so much paper up here that I -- here it is.

11 Without prejudice to you, give me one example.

12 Which patent are we on? '885? Yes. Right? '885?

13 Give me one example from the '885 Claim 1 that you think
14 is not in that prior art. Just one limitation.

15 **MR. SHEA:** Yeah.

16 **THE COURT:** Then I'm going to ask the other side to
17 explain to me where it is in the limitation. So give me your
18 best shot on that point.

19 **MR. SHEA:** I'm just going to start -- and I think
20 there are several. But limitation 1.8 of this claim requires
21 that after you have received those first and second indications
22 that you've been added to zone scenes, you continue to operate
23 in standalone mode until one of those zone scenes is selected
24 for invocation.

25 Your Honor, that is very clearly not disclosed in the

1 prior art. Because, in Sonos's system, when you received an
2 indi- -- when you received a message, the AV transport message,
3 you automatically entered the group mode. Google's opening
4 brief actually says that. I mean, so there's really no dispute
5 on that.

6 In the -- in Sonos's system, when you received an
7 indication in the form of an AV transport message, you will
8 automatically transition into group mode at that point in time.
9 You did not remain in standalone mode.

10 **THE COURT:** Okay, wait.

11 Is that true?

12 **MR. PAK:** In the Sonos 2005 system?

13 **MR. SHEA:** (Nods head)

14 **MR. PAK:** Yes. In the Sonos 2005 system, it was true
15 that when you created the groups, Your Honor, and you added a
16 speaker to the group, that it would take on the group behavior.
17 So I agree with that statement.

18 **THE COURT:** All right, so 1.8 was not -- did not
19 appear in the prior art.

20 **MR. PAK:** No. I -- can I respond to that?

21 **THE COURT:** Yes.

22 **MR. PAK:** Okay.

23 **THE COURT:** If you do it briefly.

24 **MR. PAK:** Yes. It wasn't in the 2005 system. It was,
25 however, exactly the point of the Sonos forum postings. So

1 this is on Slide 21, Your Honor, of my presentation.

2 So, remember what -- Your Honor already decided this issue
3 of what, what disclosure is sufficient to show that you're
4 transitioning from a speaker that is on its own to being added
5 to a group while still operating in a standalone mode.

6 And what Your Honor stated in the showdown order, and also
7 reflecting what Sonos said in the reply, is this idea that
8 you're creating a zone group for later use. You're going to
9 save it, so you don't immediately transition to group mode.
10 You're going to save it for later use. And that's the only
11 thing that was necessary to satisfy the claim sequence of I'm
12 going to add a speaker to a group while I'm in a standalone
13 mode.

14 And as Sonos explained in their reply, this idea of just
15 saving a zone group for later use, quote (As read) :

16 " . . . conveys to a person of ordinary skill in
17 the art that a 'zone player' operating in
18 'standalone mode' prior to being added to
19 each new zone scene will continue to operate
20 in 'standalone mode' after being added to
21 each new zone scene."

22 So Sonos was saying: Look, if I --

23 **THE COURT:** No, I said briefly, now. You're taking up
24 his time.

25 **MR. PAK:** Yes.

1 **THE COURT:** All right.

2 **MR. PAK:** So --

3 **THE COURT:** No, no. Sonos gets to make its important
4 point.

5 Go ahead.

6 **MR. SHEA:** Yes, Your Honor. I mean, I think this is
7 really -- if you go again, we're now back talking about
8 briefing and things. Let's look at the evidence. Let's look
9 at the art.

10 If you look at the posting, they're trying to -- Mr. Pak
11 just admitted, right, that wasn't in the Sonos 2005 system. He
12 is now saying it's in the Sonos forum post. But critically,
13 the Sonos forum post, it says nothing. It is completely silent
14 as to what happens to a player when you would save this group.

15 (Indicating quotation marks).

16 And there's a variety of options that can happen. First
17 and foremost, this doesn't say whether the user -- because,
18 again, there's no detail here. So it doesn't say whether the
19 user was talking about taking a group that had already been
20 created and saving it again, in which case the player would
21 still be in group mode.

22 It doesn't say whether, well, when I create a group the
23 first time, it's going to automatically put the player into the
24 group. In which case, it would leave standalone mode.

25 And so --

1 **THE COURT:** Wait. I want to focus on your 1.8. The
2 phrase: continuing to operate in the standalone mode until
3 given one of the first or second zone scenes have been selected
4 for invocation.

5 So the phrase "continuing to operate in the standalone
6 mode."

7 **MR. SHEA:** Yeah.

8 **THE COURT:** Does that mean the speaker is actually
9 putting out sound? Or what -- can you do these configurations
10 when -- under the patent, when you're not listening to
11 anything, but you're sitting there in total silence? But you
12 are saying: Oh, it would be nice to have the hallway and the
13 deck hooked up together. And then can you -- or does your
14 patent not cover that?

15 **MR. SHEA:** No, Your Honor, it does cover that. It
16 covers that if the player is in standalone mode, if it's
17 available for individual playback, that's standalone mode. And
18 when you add it to the group -- what 1.8 is saying is when you
19 add it to the group, it stays in standalone mode. It does not
20 automatically enter the group at that point in time.

21 **THE COURT:** Well, but it does -- it sounds like it's
22 operating. And that your patent doesn't even cover it if you
23 do it in silence.

24 **MR. SHEA:** No, Your Honor. I'm saying it would cover
25 that.

1 **THE COURT:** That's what you say, but the language says
2 "continue to operate."

3 **MR. SHEA:** "Continue to operate in standalone mode."
4 And "standalone mode" is defined as a mode in which you're
5 configured for individual playback. Not --

6 **THE COURT:** That's what you say, but somebody might
7 read this to say it has to be actually operating and putting
8 out sound out of the speaker in standalone mode. And that if
9 you do it whenever -- if you make the adjustment when it's in
10 silent, or -- or let's just say -- yeah, there are two
11 instances I can think of. One is when it's not operating at
12 all.

13 Now, I know you're trying to fix that problem on the fly
14 by saying: Well, it's not operating. It's configured as
15 stand- -- I don't know. I think that's a problem for you.

16 But even more so, what if you -- what if it's already
17 operating, and you've got -- you have it on a saved scene?
18 You've got the front porch going with the kitchen at the same
19 time from a preset -- it's not standalone. But now you're
20 going to decide: Okay, we're going to put in living room and
21 den. And you punch that into your computer as a future scene
22 to be saved.

23 (Documents displayed)

24 **THE COURT:** Your patent wouldn't cover that. Because
25 it's operating in -- it's not operating in standalone mode;

1 it's operating with two speakers.

2 **MR. SHEA:** Yeah, that part is right, Your Honor. I
3 agree with that last part you're saying. Which is that if --
4 if you are adding a player to a zone scene at a time where it's
5 already part a group, that would not be -- that would not fall
6 within the scope of these claims. That's absolutely true.

7 What the claims require is that you have a player that
8 starts out in standalone mode. And what I want to point out,
9 Your Honor, is Element 1.5 does have definitional language for
10 what "standalone mode" means. And what it says is that it's a
11 mode in which the player is configured to play back media
12 individually. So, so when I was referencing that previously,
13 that was the language I was intending to reference.

14 And that language of being configured to play back
15 individually is not -- does not require active playback or
16 playing actively. It just means that you're in a mode in which
17 you are configured for individual playback.

18 And so what the claim is saying and the key point of 1.8
19 is: If I've got a player that's on its own, it stands alone.
20 It's configured for individual playback. I can add that player
21 -- whether or not it's outputting audio actively, I can add
22 that player to these presaved groups. And that act of adding
23 them to those presaved groups, it's not going to automatically
24 pull them out of standalone mode, and put it into a group mode.

25 And there's a lot of reasons why a user would not want to

1 do that. Because, again, one of the main purposes of these
2 groups is to set them up for some future use. Which is why --
3 and that's the particular scenario this claim is intending to
4 cover, is a scenario where you've got players that are in
5 standalone mode, but you're creating groups for future use.

6 And that -- that idea that you're adding players to
7 groups, you're sending them these indications but then the
8 players are going to stay in standalone mode, that element is
9 not disclosed. That element, alone, is not disclosed in either
10 of these things. Because the Sonos forum posts don't tell you
11 what you're going to do when you save a group. Are you going
12 to put the player immediately in the group? Or are you going
13 to keep it in standalone mode? They don't say. And, and
14 that's just one example.

15 Again, the Sonos forum posts don't say how the messaging
16 would work. They don't talk about where the zone scene is
17 going to be stored. They don't talk about the fact that these
18 zone groups can exist in an uninvoked state.

19 There's all these aspects and requirements of these claims
20 that are not disclosed in that Sonos forum's post, and were not
21 in Sonos's 2005 system because they didn't have presaved
22 groups. They had -- they only had zone groups where they would
23 be automatically activated at the time the user created them.

24 **THE COURT:** All right. You get to respond.

25 **MR. PAK:** Let's look at these posts, Your Honor. And,

1 they say exactly that. They say that I can create a morning
2 mode for use in the morning. I can create a summer mode, a
3 winter mode. These are all modes that can be used for future
4 use. I'm not going to create a summer mode and a winter mode,
5 and then simultaneously transition to both summer and winter
6 modes. The whole point is I'm going to create modes that can
7 be invoked at a later time.

8 And Your Honor has already found, at the urging of Sonos,
9 that, alone, means that I'm standing in standby mode -- or in
10 standalone mode, whether the music is playing or not. I'm in
11 standalone mode when I'm creating different modes or zones,
12 groups, for future use.

13 That's exactly what these posts were all about. It's all
14 about creating and saving groups for future use, Your Honor.
15 And I think that's sufficient. That's the only thing that's
16 disclosed. There's nothing else in the patent about how you
17 would do this.

18 **THE COURT:** I have a question for both of you on this.

19 **MR. PAK:** Sure.

20 **THE COURT:** I had -- somehow I had the impression --
21 let's say you have a speaker in the kitchen. I was under the
22 impression you could have it in -- under this invention, in,
23 say, group morning, and group evening.

24 But counsel is saying to me: No, it has to be standalone,
25 and can't be assigned to a group unless it's in standalone.

1 Did I misunderstand you?

2 **MR. SHEA:** No, Your Honor. So the way the claim is
3 written and the way the invention would work is you would have
4 a player that was in standalone mode; it was off on its own.
5 And you could pre-add it to multiple different groups. So you
6 could add it to morning, and you could add it to evening. But
7 it -- but after you do that, after you add it to morning and
8 evening, the player continues to exist in standalone mode until
9 the second half of the claim.

10 And then what you would do is you would come in maybe a
11 day later, and you would say: Okay, I want to use my evening
12 mode now. And when you invoke that evening mode, then at that
13 point the player joins the group and does the things it needs
14 to do to play back in synchrony, as part of the group.

15 So, absolutely, it is true. You can add these players to
16 as many of these presaved groups as you want. The key, though,
17 is that the act of creating those presaved groups don't cause
18 the player to start operating as part of the group. You can
19 still listen to music on that player, by itself, on its own.
20 You can still listen to it as just a kitchen speaker, until
21 some later time.

22 **THE COURT:** That doesn't sound right. It says
23 "continuing to operate in the standalone mode." Does that
24 mean, you can -- you can -- once you add something to Group A,
25 it no longer is in standalone mode.

1 **MR. SHEA:** Your Honor, I think the key here is --

2 **THE COURT:** How can you add it to Group B?

3 **MR. SHEA:** Well, so again, Your Honor, when you add it
4 to Group A, it is still in standalone mode. Because they're
5 presaved. The groups don't -- exist only in the background.
6 So the mere fact that you're a member of a presaved group
7 doesn't preclude that you are still in standalone mode. You're
8 still operating on your own for playback purposes.

9 It's only when you later activate the group, you actually
10 go to your controller, and you select it, and you say: Okay,
11 now I want to use this group that I created yesterday. That's
12 when the player leaves standalone mode.

13 **THE COURT:** I don't know. All right. I'm going to --
14 I got some other questions for you. And then I've got to go to
15 my next calendar.

16 One of the issues on the -- why are we -- what is this
17 contract claim that Google has?

18 **MR. PAK:** Yes, Your Honor. I'm going to turn it over
19 to Ms. Baily, to address that issue. And then also
20 Mr. Roberts.

21 **MR. ROBERTS:** Your Honor, since this is our motion,
22 would you like me to go first? Or would you like Google to go
23 first?

24 **THE COURT:** First I'd like for them to explain, in two
25 minutes or less, what the claims even are. And then I'll let

1 you have a reply. But we're not going to have time to go
2 through the entire motion.

3 Okay, go ahead.

4 **MS. BAILY:** Thank Your Honor. Melissa Baily for
5 Google.

6 So we have two affirmative claims in the case. One is for
7 breach of contract, and one is for conversion. And I'll start
8 with the breach-of-contract claim.

9 There was a contract that governed a collaboration between
10 Google and Sonos. And that contract had an ownership provision
11 related to developments that Google made in the context of that
12 collaboration. And it stated that Sonos could not claim for
13 itself those developments that Google contributed to the
14 collaboration.

15 It's undisputed that Google contributed to the
16 collaboration the notion of a cloud queue.

17 **THE COURT:** A what?

18 **MS. BAILY:** A cloud queue, that we were discussing
19 earlier.

20 **THE COURT:** Uh-huh.

21 **MS. BAILY:** And other technology related to -- to
22 playback from Google Play Music onto Sonos speakers.

23 Our assertion is that because of this ownership provision
24 that governed that collaboration, Sonos could not claim for
25 itself a patent that it purports to cover the very work that

1 Google contributed to that collaboration and then asserted
2 against us, because Google owns that technology.

3 Also what Sonos couldn't do but did do is take Google's
4 technology from the collaboration, claim it for itself, and
5 give it to its other partners.

6 So there are a variety of breaches of this ownership
7 provision, of an agreement that governed the collaboration
8 between the parties, that relates to the playback of Google
9 Play Music onto Sonos speakers.

10 **THE COURT:** Okay. What is your response to the motion
11 -- what is your motion?

12 **MR. ROBERTS:** Let me make one point, which is
13 novation.

14 So Your Honor, pictures are helpful. If you look at the
15 slide that is the first slide under Sonos's MSJ, in our tab. I
16 have a timeline.

17 And the reason I want to talk about novation is because
18 there are two contracts here. There's a 2013 CIA content
19 integration agreement, and a 2018 SIA.

20 (Document displayed)

21 **MR. ROBERTS:** And it's Sonos's position that the 2018
22 SIA eliminated the 2013 CIA. It covers the same subject
23 matter, and it contains an integration agreement that expressly
24 gets rid of all agreements, understandings, et cetera.

25 **THE COURT:** What does "SIA" mean?

1 **MR. ROBERTS:** The SIA -- I believe it's Services
2 Integration Agreement. Service Integration Agreement.

3 **THE COURT:** Read me the language that got rid of.

4 **MR. ROBERTS:** Yes. And Your Honor. I have this
5 slide, it's Slide 6 behind the tab which is 12.8 of the Service
6 Integration Agreement. And it says (As read) :

7 "This Agreement, including its attachments,
8 constitutes the entire agreement between the
9 Parties Regarding its subject matter, and
10 supersedes all prior communications,
11 negotiations, understandings, agreements and
12 (sic) representations, either written and
13 oral, by or among the Parties regarding its
14 subject matter."

15 There is no dispute that it says that. Google's only
16 response is to say it's a different subject matter. And it
17 says it's a different subject matter, because the system
18 integration agreement they say dealt with YouTube music, and
19 the CIA dealt -- sorry. The system dealt with YouTube, and the
20 CIA dealt with Google music.

21 So they said these were two different integration
22 projects, and therefore, it's two different subject matters.
23 That's their response.

24 **THE COURT:** What did the original agreement say was
25 the subject matter?

1 **MR. ROBERTS:** Thank you, Your Honor. If we turn to
2 Slide 8, this has the subject matters of both the CIA and the
3 SIA next to one another.

4 And you can see at the top where it talks about what is
5 the project that Google is providing. It says (As read) "

6 "Service provider" -- that's Google --

7 "operates an Internet-based music service

8 providing content to consumers..."

9 That's what was being integrated in the CIA. Not a
10 specific, only one; it's "Internet-based music service."

11 And then if you look down at the SIA, which is immediately
12 below it, it says:

13 "....Service provider operates an

14 Internet-based service providing audio

15 content to consumers."

16 It is the exact same language with slight, wording
17 variations.

18 It's the same on Sonos's side. What's being integrated on
19 Sonos's side? (As read)

20 "Sonos manufactures, markets and sells

21 products comprising a wireless home music

22 system (the 'Sonos MMS')..."

23 So the CIA is about the Sonos MMS, which is products
24 comprising a wireless home music service. And the SIA on
25 Sonos's side is about the Sonos system, which is the Sonos

1 products and the Sonos cloud service, where "Sonos products"
2 means the Sonos hardware and software comprising a wireless
3 multi-room audio system.

4 So both the language about what Google's providing from
5 their integration and the language about what Sonos is
6 providing on its integration are the same in the CIA and the
7 SIA.

8 More importantly, the SIA undoubtedly covers direct
9 control, which is what this patent is about. And this is -- go
10 back one slide, to Slide 7.

11 (Document displayed)

12 **MR. ROBERTS:** This is from the SIA.

13 So the subject matter of the SIA talks expressly about
14 direct control technology. And it talks about (As read) :

15 " 'Direct Control Experience' means the
16 experience whereby the End User may control
17 the Sonos System from within the Service
18 Provider App. "

19 This is an integration agreement about and including the
20 integration of direct control. Which is exactly what this
21 patent is about.

22 So the language about what Sonos is providing and the
23 language about what Google's providing is the same between the
24 two. And the SIA is expressly directed and encompasses direct
25 control technology, which is the subject matter of the patent.

1 **THE COURT:** All right. I'm sorry, I don't -- on Page
2 -- Slide 7, I don't see where -- you seem to be saying that it
3 says Sonos gets all the patents. Where does it say that?

4 **MR. ROBERTS:** Yeah. So that's actually, Your Honor,
5 if you want that, in Slide 9. This is from the SIA. And this
6 is the Service Integration Agreement.

7 (Document displayed)

8 **MR. ROBERTS:** (As read)

9 "All right, title and interest, including
10 Intellectual Property Rights to, the Sonos
11 System are retained by Sonos. Service
12 Provider will not claim for itself or for any
13 third party any right, title, interest or
14 license" -- which is effectively what they're
15 trying to claim -- "to the Sonos System,
16 except for the limited licenses granted
17 herein. Both parties recognize and
18 acknowledge that certain features of either
19 Parties' Materials, the Service Provider App
20 and the Sonos System may be protected by
21 patent law."

22 And the key thing about that, Your Honor, is at that time,
23 we had already told them they infringed the direct control
24 family. We had sent them claim charts from the same family of
25 patents, saying: You infringe.

1 **THE COURT:** At what time?

2 **MR. ROBERTS:** At the time the SIA was signed in 2018.

3 **THE COURT:** Okay.

4 What do you say to that, Ms. Baily?

5 **MS. BAILY:** So first of all, for there to be a
6 novation, the subsequent contract has to expressly and clearly
7 state that the parties intended to extinguish the original
8 agreement.

9 The SIA makes zero mention of the CIA, which was the first
10 contract that Sonos is saying was extinguished by the second.
11 So under novation law, it has to be very clear that what you're
12 doing is extinguishing the prior contract.

13 And there's case law, if we bring up Slide 28, that says
14 that in order to make that very clear, you have to actually
15 refer to the prior contract. There's no reference here.

16 And the reason why that makes sense, the two
17 collaborations -- and we provide evidence of this in our
18 opposition -- were completely distinct. The collaboration
19 under the CIA which was the first contract which forms the
20 basis of our breach-of-contract claim was from 2013 to 2015.
21 It ended. Then, in 2018, there was a new collaboration.

22 With respect to the subject matter, of course, the subject
23 matter relates to speakers, because that's what Sonos does.
24 And music service. Because that's what Google does in relation
25 to speakers. That doesn't mean that it's the same

1 collaboration or the same subject matter.

2 And the way that you know that when looking at the
3 evidence cited in our opposition is that all of the evidence
4 shows that that first collaboration, which was from 2013 and
5 ended in 2015, years before the second contract, was about
6 Google Play Music.

7 **THE COURT:** About what?

8 **MS. BAILY:** Google Play Music.

9 **THE COURT:** Google Play?

10 **MS. BAILY:** Google Play Music was the music service
11 that we were working on with Sonos in that collaboration to
12 play Google Play Music on Sonos speakers. That collaboration
13 ended in 2015.

14 2018, the YouTube group, totally different people at
15 Google. None of the same participants from the first
16 collaboration. They want to enter into a collaboration with
17 Sonos. Sure, it's about speakers and music, because that's
18 what the two companies do in relation to each other. But it
19 had nothing to do with the first collaboration. It was a
20 separate collaboration governed by a separate contract that
21 made no reference to the first contract.

22 The notion that that contract years later would extinguish
23 a contract that governed a completed collaboration without
24 referencing it, is nonsensical.

25 The standard for novation was high. I was actually

1 shocked when that was the important point that was chosen to be
2 argued because --

3 **THE COURT:** Were any of your people at Google
4 inventors of these alleged inventions?

5 **MS. BAILY:** So Google doesn't -- Google invented the
6 invention in the YouTube days, right? So, so, so by the time
7 -- that was argument from earlier today.

8 So what we would say, you know, the inventions --
9 purported inventions are invalid, because Google invented it
10 before the collaboration even started. And that's the argument
11 we had earlier today.

12 **THE COURT:** Okay.

13 **MR. ROBERTS:** Can I just respond very briefly,
14 Your Honor?

15 **THE COURT:** Thirty seconds.

16 **MR. ROBERTS:** Okay. One, she said it's required that
17 you mention it expressly in writing. That is not true. This
18 is the *Hunt v. Smith* case, cited on Page 7 of our reply.

19 Quote (As read) :

20 "It is not necessary to meet and either state
21 in writing or orally that the original
22 contract was rescinded."

23 Close quote. Just false.

24 Second, if you look at the timeline that I provided, you
25 can see, Your Honor, that the patent, the '033, is an unbroken

1 string of continuations from a Sonos patent filed December 30,
2 2011. So we have a patent filed before the first
3 collaboration, an unbroken string of continuations with no new
4 matter added. And then afterwards, in 2019, the application
5 for the '033. So they're stuck.

6 Either this is original Sonos IP before any collaboration
7 that was entered into, or if they want to say: No, the breach
8 was filing the specific application leading in 2019 to the '033
9 patent, that was after this agreement was replaced by the 2019
10 integration agreement.

11 It's true, Your Honor, that you move from one project to
12 another project over time, in terms of the integration, as the
13 technology grows. But what this says, if you look -- Google
14 Play Music is referenced nowhere in the 2013 CIA. It's not
15 there.

16 **THE COURT:** Did the collaboration come before or after
17 the specification for the patent?

18 **MR. ROBERTS:** After. That's the point of the --
19 that's the point of the -- of the timeline (Indicating).

20 **THE COURT:** What do you say to that point? The
21 patents can't possibly have been influenced by the
22 collaboration, if the -- if the specification is locked in
23 stone earlier.

24 **MS. BAILY:** So two things, Your Honor. First of all,
25 there is no written description support in the specification.

1 **THE COURT:** Say that again.

2 **MS. BAILY:** There's no written description support in
3 the specification for the claim that came later, that claimed
4 the developments that Google contributed to the collaboration.
5 So it's not in the written description of that earlier
6 specification.

7 **THE COURT:** You're saying that the specification did
8 precede the collaboration.

9 **MS. BAILY:** (Nods head)

10 **THE COURT:** But then, in the midst of the
11 collaboration, Sonos said: Ha, Google has a good idea.

12 **MS. BAILY:** (Nods head)

13 **THE COURT:** Let's go claim that. You're relying on
14 our earlier specification. And since that whole process of the
15 PTO is so easy to get a patent through, they got a patent
16 through, covering your idea.

17 **MS. BAILY:** That's exactly correct, Your Honor.

18 **THE COURT:** What do you say see to that? Because I've
19 seen it in other cases.

20 **MR. ROBERTS:** Yes. And this is why I have gone to --
21 so, first of all, we dispute it. There is -- we've covered
22 this extensively in the briefing, and I won't reargue it.

23 But there is literally nothing that they can point to to
24 create a clear and convincing case --

25 **THE COURT:** Is this the case where the guy was -- or

1 was that a different, where we had -- didn't this come up
2 earlier in this case?

3 **MR. ROBERTS:** It did. We moved to dismiss. And you
4 said: I'm not going to dismiss it at this point, because maybe
5 they could show it. And if they could show it, then we will
6 deal with it on summary judgment.

7 So now we're on summary judgment. Time's up. Show us
8 where this -- prove that by clear and convincing evidence that
9 this is not in the spec. And they haven't done it.

10 But the reason my point is novation, Your Honor, is
11 because it doesn't matter. Their argument is to say: Hey,
12 look -- and again, going to the timeline -- what we think is
13 that you added this idea to the claim in 2019. So the act of
14 wrongdoing took place in 2019, when you added this to the
15 claim.

16 And at that point, the 2013 agreement didn't exist
17 anymore. It had been replaced by the 2019 agreement. And they
18 don't say that we violated the 2019 agreement, at all. The
19 only agreement they say that we violated is the 2013 agreement.
20 And they say we violated it by filing this application in 2019.

21 But when we filed that application in 2019, the 2018
22 agreement had replaced the 2013 agreement.

23 **THE COURT:** That's a legal question that I'm not
24 prepared to answer yet, whether it did replace it.

25 Okay, I've got to get to the 11:00 calendar. But you get

1 one more -- you were about to say something.

2 **MS. BAILY:** I was just about to say, because it's not
3 just the '033 patent that's at issue. Sonos filed applications
4 on -- for other patents that claim or purport to claim cloud
5 queues, right in the midst of Google sharing that information
6 with Sonos.

7 And so I say that, just so Your Honor understands when you
8 go back and review the papers, that the breach-of-contract
9 claim is not only based on the '033 patent, the breach of it.
10 It is based also on other prosecution activities and other
11 business activities by Sonos.

12 **THE COURT:** Is this a jury issue, or what?

13 **MS. BAILY:** It is a jury issue.

14 **THE COURT:** Okay. Go ahead.

15 **MR. ROBERTS:** The last thing she just said, that
16 argument was raised for the very first time in the opposition
17 to our summary-judgment motion.

18 There is nothing in the complaint, in the discovery, or in
19 the expert reports, anywhere, saying that Sonos breached the
20 2013 contract by sharing materials with another party, or by
21 prosecuting some patent that isn't at issue here.

22 And even if there were, California statute of limitations
23 is four and a half years, and they're just out of time.

24 **THE COURT:** Well, but maybe it still can be an
25 affirmative defense.

1 **MR. ROBERTS:** If it were pled as an affirmative
2 defense, it could be. It's not in the complaint. We're not
3 moving to strike the unclean hands. This is about their breach
4 of contract. And that's the summary-judgment motion.

5 **MS. BAILY:** Your Honor, we took discovery on breach of
6 contract, and we have the evidence of breach of contract
7 (Indicating). We have evidence of Sonos deleting Google's name
8 from Google's work, and then sharing it with Pandora.

9 **MR. ROBERTS:** And where -- where in the complaint, in
10 the discovery, or the expert report is that?

11 **MS. BAILY:** Doesn't need to be in the complaint. We
12 took the discovery.

13 And we have an email with a smiley face from Sonos,
14 deleting references to Google, and then sharing our work with
15 its partners. We should be able to rely on that evidence.

16 Our breach-of-contract claim is well-pled, and novation
17 clearly does not apply.

18 **MR. ROBERTS:** Do I get to add new theories in response
19 to their summary-judgment motions?

20 **THE COURT:** In the course of this case, both of you've
21 added quite a number of new theories. So, I don't know the
22 answer.

23 All right, thank you. This discussion has helped me
24 understand that motion. All right. I'm going to step off the
25 bench.

1 All of the pending motions are under submission, except I
2 will agree that the parties will be realigned, so that at
3 trial, Sonos is the plaintiff, and gets to present first.

4 Okay. That's what you've agreed to, right?

5 **MS. BAILY:** Yes, Your Honor.

6 **MR. PAK:** (Nods head)

7 **THE COURT:** All right. So I'm going to step off the
8 bench for a few minutes, and then the 11:00 calendar can come
9 forward.

10 Thank you all. Good luck.

11 **MR. PAK:** Thank Your Honor.

12 **THE COURTROOM DEPUTY:** Court is in recess.

13 (Proceedings concluded)

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CERTIFICATE OF REPORTER

I, BELLE BALL, Official Reporter for the United States Court, Northern District of California, hereby certify that the foregoing is a correct transcript from the record of proceedings in the above-entitled matter.

Belle Ball

/s/ Belle Ball

Belle Ball, CSR 8785, CRR, RDR

Friday, April 7, 2023